

Appendices

Appendix A Loddon River System

- Reach **S1** Serpentine Creek reach 1
- Reach **S2** Serpentine Creek reach 2
- Reach **S3** Serpentine Creek reach 3
- Reach **S4** Serpentine Creek reach 4
- Reach **S5** Serpentine Creek reach 5 (Nine Mile Creek)
- Reach **S6** Serpentine Creek reach 6 (Pennyroyal Creek)

- Reach **1** Loddon River - Cairn Curran Reservoir to Laanecoorie Reservoir
- Reach **2** Tullaroop Creek - Tullaroop reservoir to Laanecoorie Reservoir
- Reach **3a** Loddon River - Laanecoorie Reservoir to Serpentine Weir
- Reach **3b** Loddon River - Serpentine Weir to Loddon Weir
- Reach **4** Loddon River - Loddon Weir to Kerang Weir
- Reach **5** Loddon River - Kerang Weir to River Murray
- Reach **Pyramid** Pyramid Creek - Box Creek to Kerang Weir
- Reach **B1** Birchs Creek reach 1
- Reach **B2** Birchs Creek reach 2
- Reach **B3** Birchs Creek reach 3

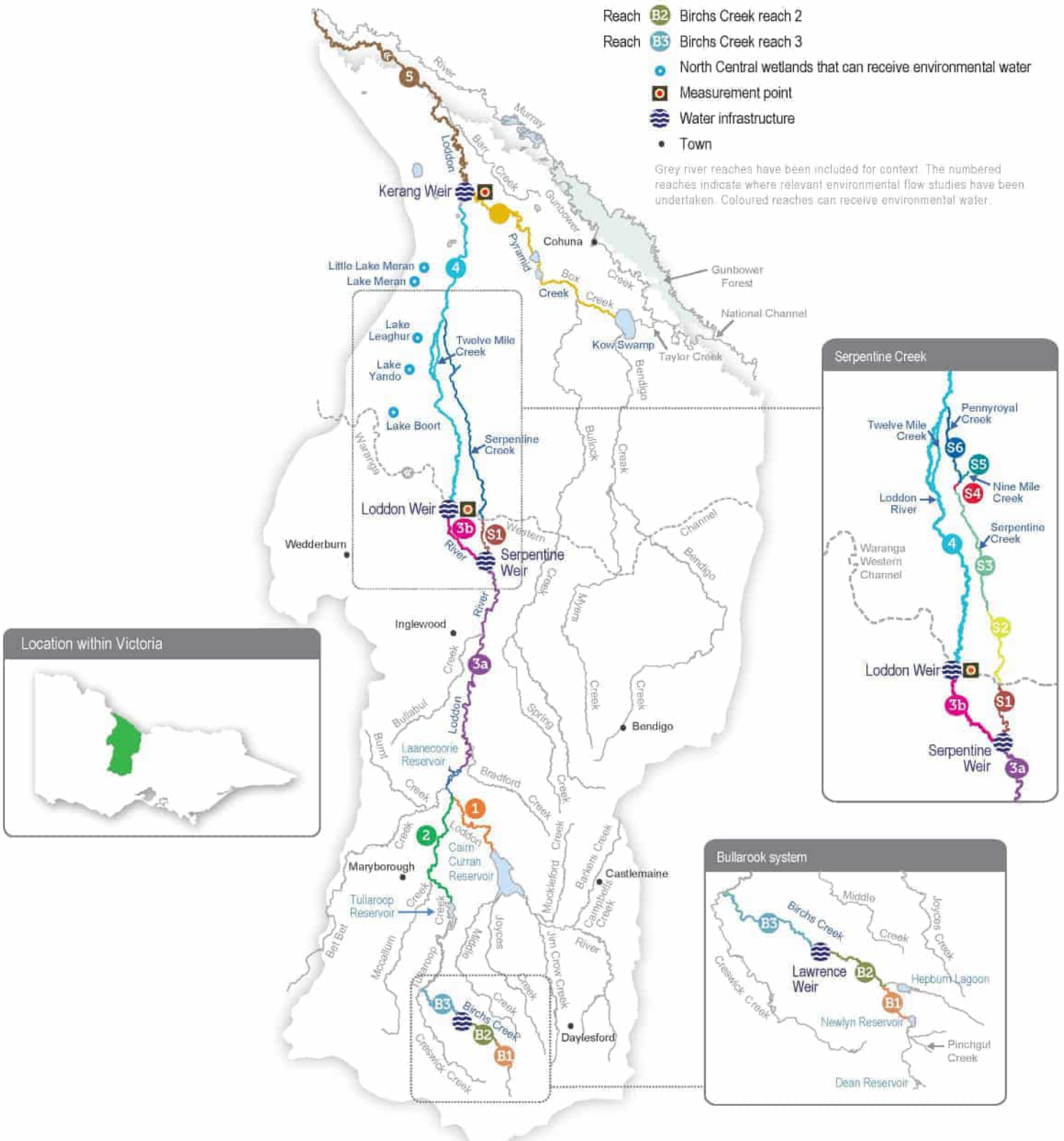
• North Central wetlands that can receive environmental water

■ Measurement point

▬ Water infrastructure

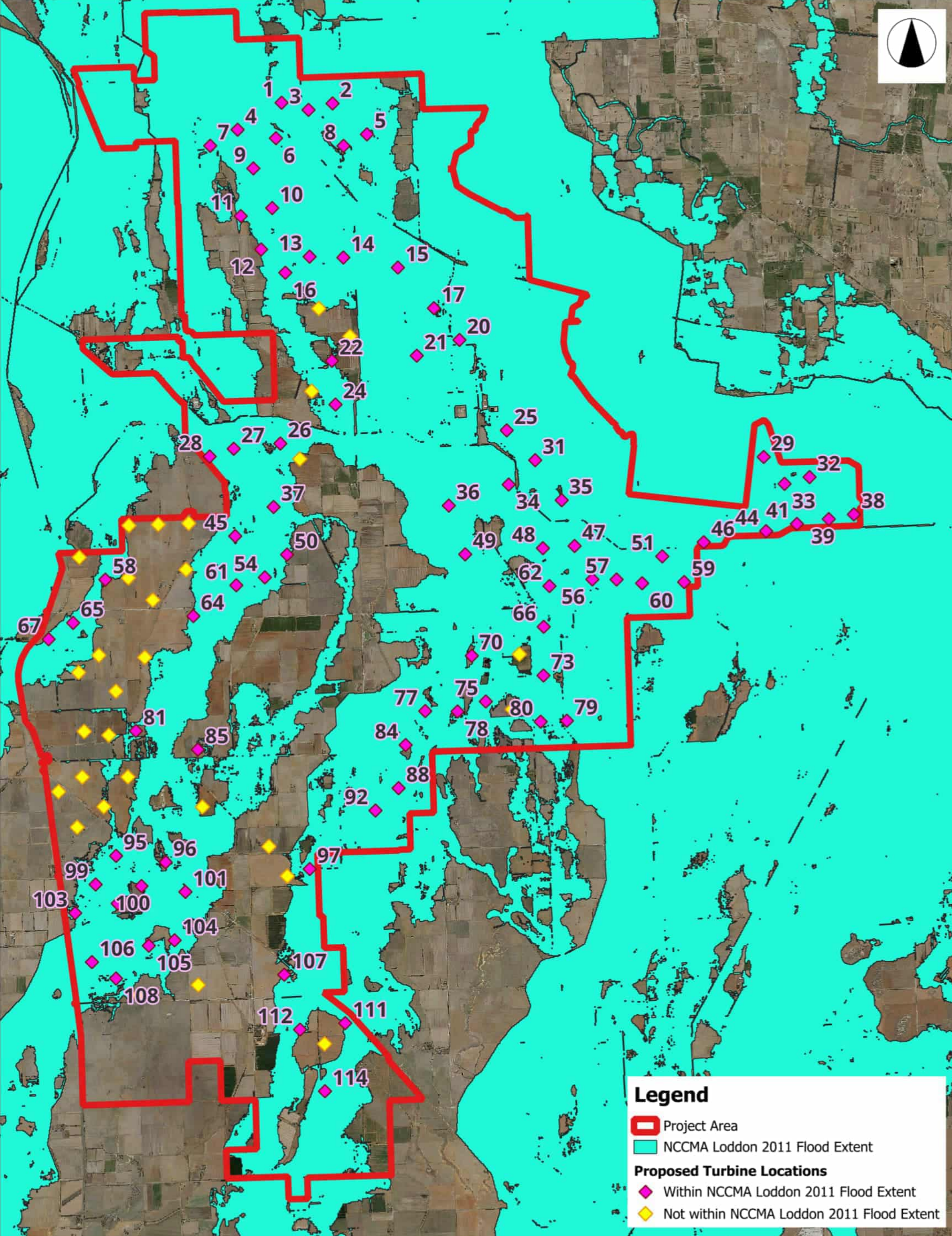
• Town

Grey river reaches have been included for context. The numbered reaches indicate where relevant environmental flow studies have been undertaken. Coloured reaches can receive environmental water.



Location within Victoria

Appendix B NCCMA Draft Flood Extent Maps



Legend

Project Area

NCCMA Loddon 2011 Flood Extent

Proposed Turbine Locations

- Within NCCMA Loddon 2011 Flood Extent
- Not within NCCMA Loddon 2011 Flood Extent

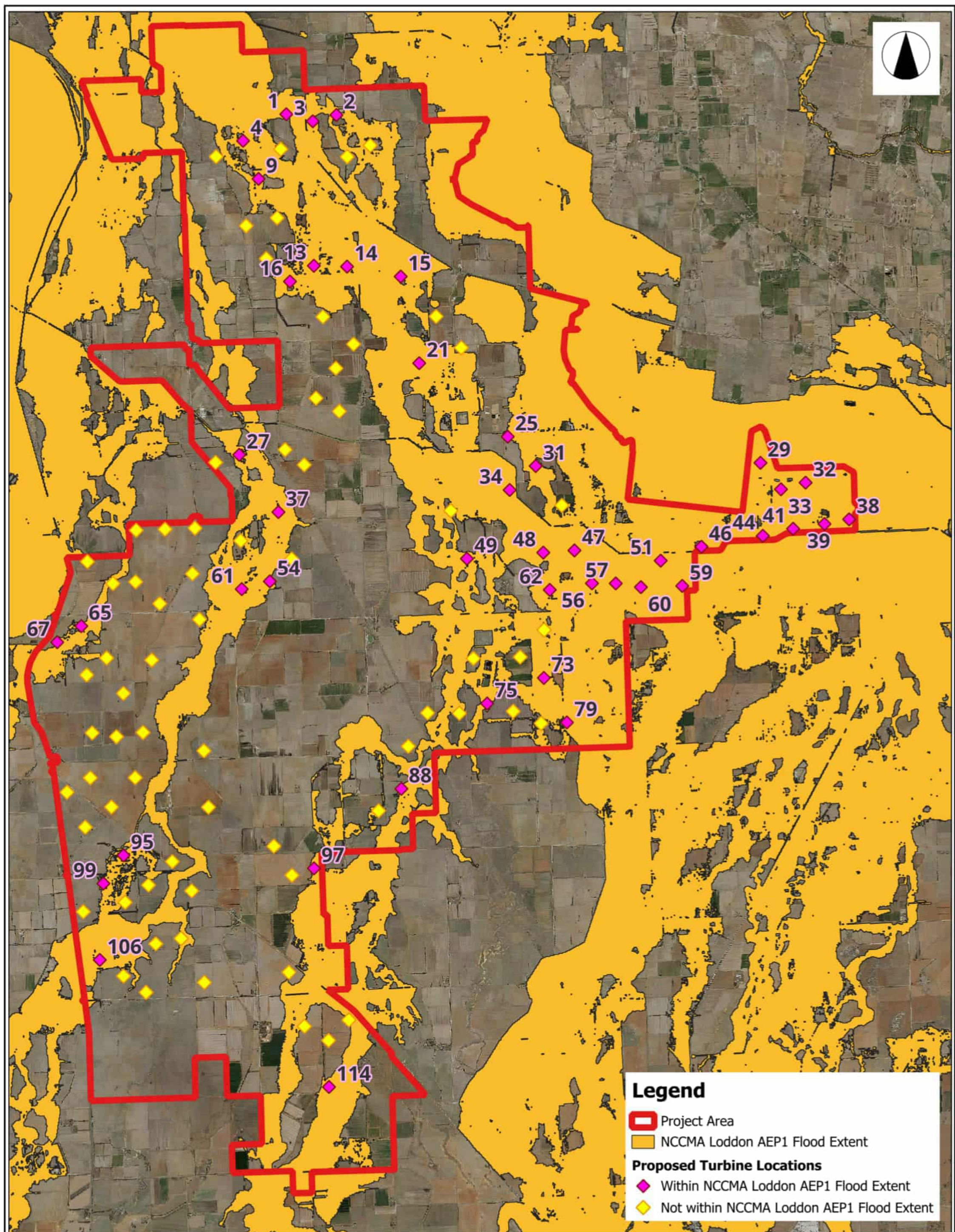
DESIGNED:	K Prout
CHECKED:	J Baumann
DATE OF ISSUE:	23/3/2026
REVISION:	0



Macorna Wind Farm

**NCCMA Loddon
2011 Flood Extent**





Legend

- Project Area
- NCCMA Loddon AEP1 Flood Extent
- Proposed Turbine Locations**
 - Within NCCMA Loddon AEP1 Flood Extent
 - Not within NCCMA Loddon AEP1 Flood Extent

0 2 4 6 8 km

Macorna Wind Farm

NCCMA Loddon
1% AEP Flood Extent



DESIGNED:
CHECKED:
DATE OF
ISSUE:
REVISION:

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J Baumann
23/3/2026
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Appendix C Turbine and Benched Areas Flood Risk Summary

ID	X	Y	In Existing FO	In Existing LSIO	In Loddon 2011 Flood Extent	In Loddon Draft AEP1 Flood	Maximum 2011 Flood Depth (m)	Maximum 2011 Flood Velocity (m/s)	Maximum 2011 Flood Level (m AHD)
1	229939.8025	6033483.411			Yes	Yes	0.48	0.34	78.58
2	231185.7482	6033466.3			Yes	Yes	0.39	0.21	78.72
3	230598.3103	6033309.154			Yes	Yes	0.42	0.30	78.71
4	228864.4896	6032823.229			Yes	Yes	0.25	0.24	78.51
5	232026.8634	6032710.536			Yes		0.12	0.11	78.78
6	229801.1083	6032615.947			Yes		0.18	0.30	78.75
7	228193.6966	6032430.559			Yes		0.09	0.27	78.54
8	231453.9438	6032428.074			Yes		0.04	0.03	78.77
9	229249.0632	6031877.197			Yes	Yes	0.21	0.19	78.85
10	229709.8375	6030907.805			Yes		0.14	0.18	79.09
11	228941	6030710			Yes		0.11	0.02	79.03
12	229440.1507	6029894.717			Yes		0.04	0.06	79.31
13	230624.5834	6029717.848			Yes	Yes	0.15	0.23	79.53
14	231450.087	6029696.696			Yes	Yes	0.39	0.49	79.50
15	232783.9418	6029450.213			Yes	Yes	0.29	0.25	79.90
16	230030.9904	6029326.112			Yes	Yes	0.13	0.18	79.48
17	233664.9651	6028457.042			Yes		0.06	0.05	80.11
18	230850.1626	6028449.313							
19	231612.43	6027769.206							
20	234290.5405	6027680.926			Yes		0.49	0.17	80.51
21	233244.9438	6027295.636			Yes	Yes	0.70	0.23	80.33
22	231171.3786	6027168.671			Yes		0.06	0.01	80.11
23	230676.2974	6026425.924							
24	231257.6528	6026099.845			Yes		0.07	0.13	80.29
25	235446.2967	6025469.644			Yes	Yes	0.37	0.16	80.72
26	229908.8203	6025146.193			Yes		0.22	0.04	81.03
27	228768.9281	6025017.522			Yes	Yes	0.59	0.13	80.76
28	228180.9158	6024829.453			Yes		0.18	0.02	80.76
29	241731.1239	6024818.674			Yes	Yes	0.72	0.50	81.37
30	230384.7054	6024768.042							
31	236141.741	6024739.85		Yes	Yes	Yes	0.47	0.17	80.76
32	242852.7561	6024325.928			Yes	Yes	0.63	0.25	81.49
33	242241	6024160			Yes	Yes	0.71	0.27	81.48
34	235494.6665	6024142.854			Yes	Yes	0.54	0.33	81.62
35	236791	6023760			Yes		0.06	0.07	80.98
36	234029.9442	6023627.721			Yes		0.17	0.14	81.50
37	229744.4858	6023594.241			Yes	Yes	0.12	0.18	80.95
38	243935.811	6023413.099			Yes	Yes	0.88	0.18	81.54
39	243322.275	6023298.408			Yes	Yes	0.44	0.56	81.61
40	227667.8895	6023194.015							
41	242543.0697	6023179.517			Yes	Yes	0.46	0.50	81.60
42	226922.0462	6023167.306							
43	226206.3746	6023141.328							
44	241790	6023004			Yes	Yes	0.49	0.52	81.58
45	228804.9982	6022881.33			Yes				81.45
46	240264.4698	6022733.262			Yes	Yes	0.33	0.20	81.35
47	237105.1068	6022640.672			Yes	Yes	0.81	0.21	81.84
48	236330.6639	6022586.821		Yes	Yes	Yes	0.38	0.22	81.81
49	234430.8884	6022435.263			Yes	Yes	0.68	0.35	81.74
50	230072.6646	6022429.292			Yes		0.10	0.01	81.52
51	239250.148	6022385.984			Yes	Yes	0.72	0.15	81.89
52	224992.1703	6022362.354							
53	227604.3946	6022062.229							
54	229530.4715	6021872.287			Yes	Yes	0.19	0.18	81.62
55	226191	6021860							
56	237541	6021823.242			Yes	Yes	0.33	0.25	81.88
57	238132.8129	6021820.429			Yes	Yes	0.64	0.23	81.88
58	225628.2335	6021816.919		Yes	Yes		0.03	0.09	82.06
59	239785.501	6021757.847			Yes	Yes	0.46	0.20	81.90
60	238757.85	6021728.491			Yes	Yes	0.58	0.13	81.89
61	228831.3065	6021679.418			Yes	Yes	0.22	0.47	81.84
62	236490.9768	6021660.027			Yes	Yes	0.21	0.15	82.01
63	226790.3559	6021317.542							
64	227781.0266	6020924.523			Yes		0.06	0.11	82.24
65	224841	6020760		Yes	Yes	Yes	0.14	0.18	82.34
66	236350.719	6020663.35		Yes	Yes		0.36	0.08	82.36
67	224242.2726	6020359.159			Yes	Yes	0.11	0.18	82.60
68	235754.858	6019992.17							
69	225471.1089	6019966.731							

70	234591.9924	6019954.32			Yes		0.06	0.02	82.42
71	226592.334	6019915.432							
72	224975.3604	6019545.819		Yes					
73	236344.9101	6019471.788			Yes	Yes	0.20	0.21	82.82
74	225888.3218	6019086.889							
75	234934.8532	6018836.262			Yes	Yes	0.33	0.47	82.64
76	235581.7669	6018641.652							
77	233452.885	6018601.325			Yes		0.11	0.27	82.86
78	234242.7443	6018591.27			Yes		0.27	0.04	82.80
79	236917.9454	6018365.449			Yes	Yes	0.41	0.33	83.58
80	236276.7554	6018341.928			Yes		0.02	0.07	83.14
81	226376	6018116			Yes		0.00	0.02	83.42
82	225112.2055	6018103.098							
83	225715.209	6018010.975							
84	232974.2047	6017771.363			Yes		0.01	0.02	83.26
85	227891	6017660			Yes		0.11	0.03	83.13
86	226182.2248	6016991.908		Yes					
87	225065.4752	6016987.869		Yes					
88	232801.2388	6016716.567			Yes	Yes	0.33	0.36	83.58
89	224484.2699	6016629.166		Yes					
90	225591.5661	6016263.151		Yes					
91	228002.9555	6016257.748							84.78
92	232235.5284	6016168.746			Yes		0.21	0.25	83.93
93	224941	6015760		Yes					
94	229629.0607	6015289.412							
95	225890.9999	6015060		Yes	Yes	Yes	0.04	0.13	84.68
96	227105.4326	6014904.927		Yes	Yes		0.03	0.10	84.96
97	230628.0585	6014737.65		Yes	Yes	Yes	0.13	0.21	84.66
98	230080.517	6014565.984		Yes					
99	225391	6014360		Yes	Yes	Yes	0.04	0.13	85.27
100	226512.4171	6014320.884		Yes	Yes		0.04	0.02	84.99
101	227587.1734	6014178.804	Yes		Yes		0.04	0.09	85.08
102	225930.8587	6013893.083		Yes	Yes		0.04	0.09	85.39
103	224891	6013660		Yes	Yes		0.03	0.07	85.66
104	227322.8888	6012994.184		Yes	Yes		0.09	0.02	85.20
105	226692.4298	6012862.165		Yes	Yes		0.01	0.04	85.39
106	225300.9907	6012460.361		Yes	Yes	Yes	0.21	0.51	85.87
107	230004.4367	6012153.222		Yes	Yes		0.05	0.00	85.54
108	225891	6012060		Yes	Yes		0.03	0.08	85.65
109	227900.1331	6011901.62		Yes					
110	226451.68	6011655.13		Yes					
111	231496.0967	6010967.659		Yes	Yes		0.05	0.23	86.19
112	230391	6010810		Yes	Yes		0.05	0.07	85.95
113	230991	6010460		Yes					
114	231001.2115	6009302.567		Yes	Yes	Yes	0.23	0.26	86.67

fid	Type	In Loddon 2011 Flood Extent	Maximum 2011 Flood Depth (m)	Maximum 2011 Flood Velocity (m/s)	Maximum 2011 Flood Level (m AHD)
1	General Laydown	Yes	0.16	0.18	80.14
2	Substation				
4	Accommodation Camp	Yes	0.15	0.16	80.16
5	Substation				
6	BESS				
7	Substation	Yes	0.46	0.51	81.95
8	BESS	Yes	0.50	0.26	81.85
9	BESS				
10	Substation				
11	Batching Plant	Yes	0.17	0.17	84.59
12	Batching Plant	Yes	0.05	0.05	80.41
56	BESS				
58	Site Compound	Yes	0.14	0.11	80.34
59	General Laydown	Yes	0.11	0.18	80.36
61	General Laydown	Yes	0.14	0.31	84.75
62	General Laydown				
123	General Laydown				

Appendix D North Central CMA Meeting Minutes 16/01/2026

Macorna Wind Farm

Atmos Renewables

Cogency Project Reference: 2447

DATE	20 January 2026
TIME	10:30am
ATTENDEES	Rohan Hogan (NCCMA); Camille White (NCCMA); Peter O'Toole (NCCMA); Alex Barker (Atmos); Graham Webb (WindFarmers); Don Webb (WindFarmers); Julia Baumann (DCE); Katharine Prout (DCE); Gabi Coddington (Cogency)
APOLOGIES	Kate Munro (Atmos)

Meeting Minutes

ITEM	NOTES
1.	Atmos provided an overview of the proposed project, site location and status
2.	NCCMA and Atmos discussed First Nations engagement - Note that this area is complicated given there is no one group / Registered Aboriginal Party - NCCMA considered this area 'shared country' and agrees that engagement with Barapa Barapa and Wamba Wemba is a good approach - Note that engagement with Barapa Ltd is not representative of the Barapa Barapa community - NCCMA has some contacts with other Barapa Barapa groups and contact details could be shared - NCCMA process is generally to put out an expression of interest to all parties and ensure all family groups are represented – this has recently been undertaken for VNI West
3.	NCCMA and Atmos discussed catchment considerations - Floodplain management - o NCCMA currently considers the 2011 flood extent as the 1% AEP - o Flood modelling work is currently being undertaken to update the Land Subject to Inundation Overlay extent - o Interest is in ensuring the project does not alter the flow of water in the landscape (i.e. balance flood levels) - Wetland considerations - o Buffer to wetlands seems reasonable - o Concern is in flight paths of birds given proximity to Johnson, Hird and Tragowel swamps. Atmos noted buffers to Hird/Johnson Swamp of 2km, and likely buffer to Tragowel swamp in excess of 3 km. - Waterway protection - o In this location it is expected that setbacks from waterways will relate to flood risk as opposed to waterway health - o 50m setback would be expected for designated waterways - o NCCMA is not concerned with irrigation channels – note that setback from and interaction with these assets should be discussed with Goulburn Murray Water - Fauna/Birds - o NCCMA noted the area is generally outside Plains Wanderer distribution/sensitivity area – Atmos flagged some lower value Plains Grassland habitat is present but the region is intensively farmed. - o NCCMA noted nearby Ibis rookery at Reedy Lake – generally 17 km away from the site investigation area.

ITEM	NOTES
4.	Other matters - NCCMA would like to review environmental reporting, once available - NCCMA interest in community feedback - NCCMA interest in community benefits, particularly supporting good environmental outcomes, including potentially: - o Working with local landcare groups (potentially supporting update to strategic plans) - o Control of pests - o Nets on motors in irrigation channels - NCCMA interest in Council position

Actions

ACTION	RESPONSIBILITY
1. Meeting minutes, slides and fact sheet to be provided to NCCMA	Atmos
2. NCCMA to provide updated flood modelling (gridded info, TUFLOW modelling, proposed LSIO extent)	NCCMA
3. NCCMA to provide designated waterways / wetlands data	NCCMA
4. NCCMA to liaise with Traditional Owners and share contact details	NCCMA
5. Environmental and hydrology reporting to be shared with NCCMA once available	Atmos

Appendix E Mitigation Measures

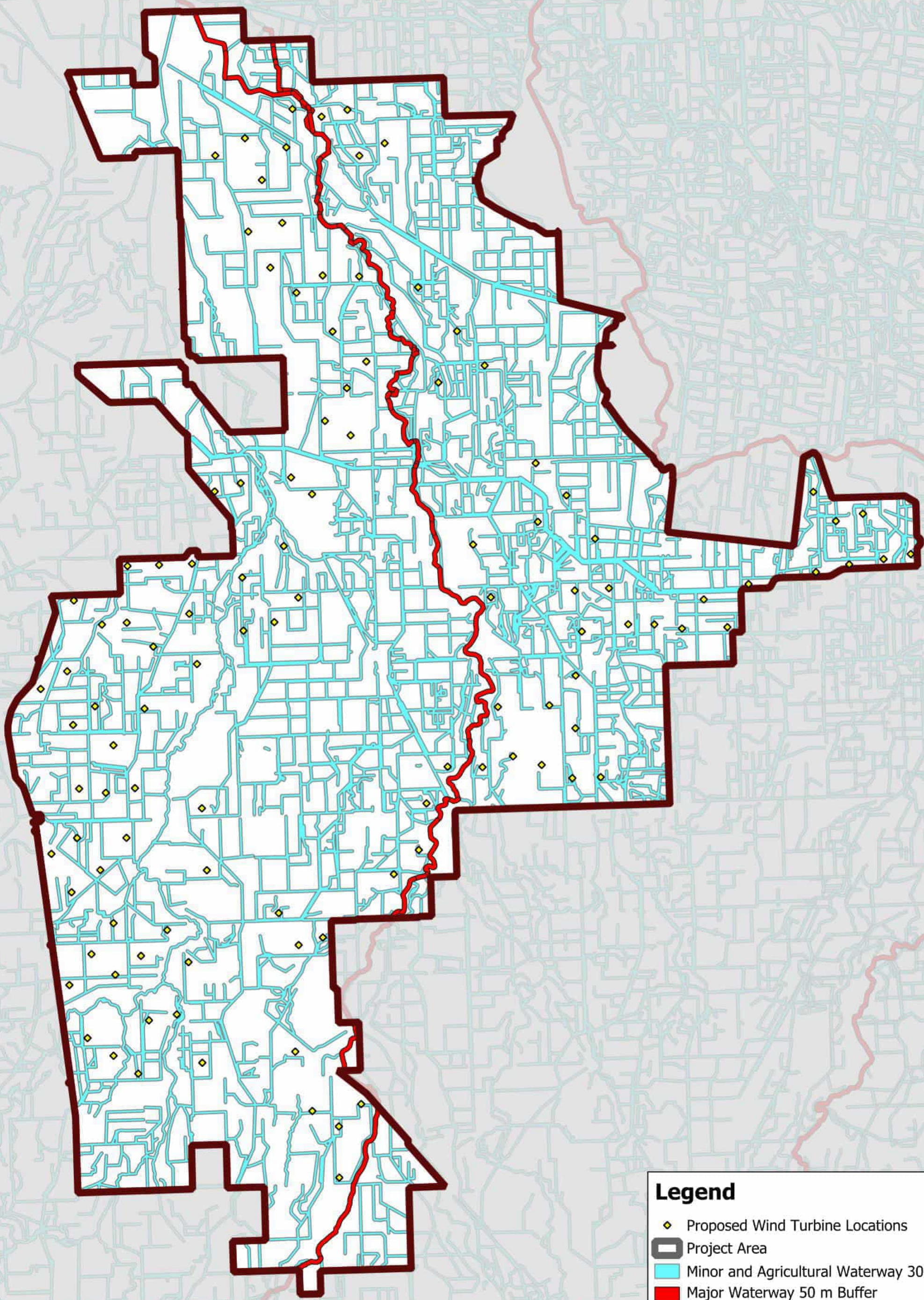
Category	Risk Type	Project Stage	Asset types			Mitigation Measures	Residual Risk	Remediation Options
			Turbines	Roads	BESS, Substations, and Operations and Maintenance Facilities			
Waterways	Waterway disturbance	Construction	✓	✓	✓	* Maintain proposed buffers to waterways * Selection of laydown areas to minimise disturbances * Preparation a Construction Environmental Management Plan (CEMP) for all sites to address land stability and local waterway disturbance * Establish a construction timeframe that aligns with weather and ground conditions that limit traffic disturbance from heavy machinery	Low	n/a
Waterways	Waterway disturbance	Operations	✓	✓	✓	* Maintain proposed buffers to waterways	Low	n/a
Waterways	Change in stormwater runoff direction	Construction	✓	✓	✓	* Ensure construction-phase stormwater management reflects existing flow directions.	Low	n/a
Waterways	Change in stormwater runoff direction	Operations	✓	✓	✓	* Earthworks design to ensure flow directions are the same in existing and developed conditions * Design of turbines can more easily reflect existing conditions as they have a small footprint * For Substations, BESS's, and Operational/Maintenance facilities, incorporate swales around pads/fill areas to maintain existing flow directions.	Low	
Waterways	Change in stormwater flow patterns (increase in peak flows)	Construction	n/a	n/a	n/a	n/a	n/a	n/a
Waterways	Change in stormwater flow patterns (increase in peak flows)	Operations	n/a	n/a	✓	* Stormwater detention should be used to limit peak outflows for events up to and including the 1% AEP to those experienced in the existing condition * Turbines and Roads are unlikely to generate substantially increased flows owing to their small footprints. * Peak flows at Substations, BESS's, and Operational/Maintenance facilities should be calculated for existing and developed conditions during detailed design, and an appropriate detention system designed. * Adopt crushed rock surfaces for Substations, BESS's, and areas around Operational/Maintenance facilites to promote infiltration of storwmater. * Stormwater Management Strategies (SWMS's) should be prepared for Substations, BESS's, and Operational/Maintenance facilities.	Low	n/a
Waterways	Change in stormwater flow patterns (increase in runoff frequency)	Construction	n/a	n/a	n/a	n/a	n/a	n/a
Waterways	Change in stormwater flow patterns (increase in runoff frequency)	Operations	✓	✓	✓	* Green infrastructureshould be used to promote evaporation and infiltration, limiting runoff frequency * Landscaping around turbines and roadside swales can mitigate for Turbines and Roads owing to their (relatively) small footprints. * Vegetated swales and detention ponds at Substations, BESS's, and Operational/Maintenance facilities will reduce runoff frequency for small rainfall events. * Adopt crushed rock surfaces for Substations, BESS's, and areas around Operational/Maintenance facilites to promote infiltration of storwmater. * Stormwater Management Strategies (SWMS's) should be prepared for Substations, BESS's, and Operational/Maintenance facilities.	Low	Stormwater harvest for irrigation or toilet flushing is possible from detention ponds at Substations, BESS's, and Operational and Maintenance facilities.

Waterways	Change in stormwater volume	Construction	n/a	n/a	n/a	n/a	n/a	n/a
						* Green infrastructureshould be used to promote evaporation and infiltration, reducing stormwater volume in minor rainfall events * Landscaping around turbines and roadside swales can mitigate for Turbines and Roads owing to their (relatively) small footprints. * Vegetated swales and detention ponds at Substations, BESS's, and Operational/Maintenance facilities will reduce runoff volumes in small rainfall events. * Adopt crushed rock surfaces for Substations, BESS's, and areas around Operational/Maintenance facilites to promote infiltration of storwmater. * Stormwater Management Strategies (SWMS's) should be prepared for Substations, BESS's, and Operational/Maintenance facilities. * If stormwater reuse demands exists (i.e. for toilet flushing at Operational/Maintenance facilities), consider including stormwater harvest as part of stormwater management design		Stormwater harvest for irrigation or toilet flushing is possible from detention ponds at Substations, BESS's, and Operational and Maintenance facilities.
Waterways	Change in stormwater volume	Operations	n/a	n/a	✓		Low	
Waterways	(Negative) Change in stormwater quality	Construction	✓	✓	✓	* Adopt appropriate construction methodologies to minimise sediment transfer * Select laydown areas to minimise disturbances * Preparation a Construction Environmental Management Plan (CEMP) for all sites to address land stability and local waterway disturbance * Establish a construction timeframe that aligns with weather and ground conditions that limit traffic disturbance from heavy machinery	Low	n/a
						* Green infrastructureshould be used to promote evaporation and infiltration, reducing stormwater volume in minor rainfall events * Landscaping around turbines and roadside swales can mitigate for Turbines and Roads owing to their (relatively) small footprints. * Vegetated swales and detention ponds at Substations, BESS's, and Operational/Maintenance facilities will provide stormwater quality treatment. * Adopt crushed rock surfaces for Substations, BESS's, and areas around Operational/Maintenance facilites to minimise impervious surfaces that generate additional pollutants. * Stormwater Management Strategies (SWMS's) should be prepared for Substations, BESS's, and Operational/Maintenance facilities that assess the storwmater quality treatment provided. * If stormwater reuse demands exists (i.e. for toilet flushing at Operational/Maintenance facilities), consider including stormwater harvest as part of stormwater management design to provide additional stormwater quality treatment. * Ensure SWMS for BESS's allow for intercept dams to isolate runoff from the BESS. * Ensure an Enviromental Management Plan (EMP) exists for all locations where chemicals or toxic substances may be stored or used on site.		Stormwater harvest for irrigation or toilet flushing is possible from detention ponds at Substations, BESS's, and Operational and Maintenance facilities.
Waterways	(Negative) Change in stormwater quality	Operations	✓	✓	✓		Low	
						* Undertake hydraulic modelling of construction phase conditions to ensure no impact * Prepare a Construction Environmental Management Plan (CEMP) for all sites that addresses distibutary protection * Ensure Construction program includes provisions for preparing sites if Lower Loddon flooding is forecast		
Flooding	Distributaries blocked or otherwise changed	Construction	✓	✓	✓		Rare	n/a

Flooding	Distributaries blocked or otherwise changed	Operations	✓	✓	✓	* Undertake hydraulic modelling of designs of all assets to ensure no impact * Note that turbines have small footprints and inherently lower risk of causing impacts	Rare	n/a
Flooding	Damage from inundation	Construction	✓	✓	✓	* Assess construction laydown and areas of work relative to flood mapping to understand what sites are at risk. * Ensure Construction program includes provisions for preparing construction sites within flood extents for inundation if Lower Loddon flooding is forecast * Align Construction period with times of lower flood risk based on historical flood events.	Rare	Additional temporary protection (i.e. sandbags) can be deployed if flood levels higher than the Loddon 2011 levees are forecast.
Flooding	Damage from inundation	Operations	✓		✓	* Design turbines, BESS's, Substations, and Operations and Maintenance facilities to have 300 mm of freeboard to Loddon 2011 flood levels * Assess BESS's, Substations, and Operations and Maintenance facilities for flood risk using modelling during detailed design to ensure appropriate freeboard to design levels is adopted. * When flooding is forecast, ensure operational check and assessment of infrastructure prior to inundation	Rare	Additional temporary protection (i.e. sandbags) can be deployed if flood levels higher than the Loddon 2011 levees are forecast.
Flooding	Damage from flood velocities	Construction	✓	✓	✓	* Peak Loddon 2011 flood water velocities should be determined for all structures (including temporary buildings associated with construction) to ensure that structures within the flood extent can withstand the design velocities.	Rare	n/a
Flooding	Damage from flood velocities	Operations	✓	✓	✓	* Peak Loddon 2011 flood water velocities should be determined for all structures within the Loddon 2011 flood extents to ensure that structures can withstand the design velocities. * Earthworks (batter slopes) that raise areas to provide freeboard should be assessed for wave action and provided with erosion protection such as rock beaching.	Rare	n/a
Water Quality	Increase in pollutants associated with negative outcomes in BPEMG (TSS, TP, TN, and GP)	Construction	✓	✓	✓	* Selection of laydown areas to minimise disturbances * Preparation a Construction Environmental Management Plan (CEMP) for all sites to address land stability and local waterway disturbance * Establish a construction timeframe that aligns with weather and ground conditions that limit traffic disturbance from heavy machinery * Adopt appropriate (best practice) sediment control measures during construction	Rare	n/a
Water Quality	Increase in pollutants associated with negative outcomes in BPEMG (TSS, TP, TN, and GP)	Operations	✓		✓	* Incorporate passive stormwater quality treatment into the design of drainage infrastructure * Utilise vegetated swales to direct stormwater (instead of underground drains) where possible * Ensure SWMS for BESS's, Substations, and Operations and Maintenance facilities prepare SWMS's that document stormwater quality treatment provided	Rare	n/a
Water Quality	Decrease in permeability	Construction	n/a	n/a	n/a	* Decrease in permeability in the construction phase is unlikely	n/a	n/a
Water Quality	Decrease in permeability	Operations	✓	✓	✓	* Turbines and Roads are unlikely to generate substantially increased flows owing to their small footprints. * Adopt crushed rock surfaces for Substations, BESS's, and areas around Operational/Maintenance facilities to promote infiltration of stormwater.	Rare	n/a
Water Quality	Increased sediment loading	Construction	✓	✓	✓	* Selection of laydown areas to minimise disturbances * Preparation a Construction Environmental Management Plan (CEMP) for all sites to address land stability and local waterway disturbance * Establish a construction timeframe that aligns with weather and ground conditions that limit traffic disturbance from heavy machinery * Adopt appropriate (best practice) sediment control measures during construction	Rare	n/a

Water Quality	Increased sediment loading	Operations	✓	✓	✓	* Incorporate passive storwmater quality treatment into the design of drainage infrastructure * Utilise vegetated swales to direct stormwater (instead of underground drains) where possible * Ensure SWMS for BESS's, Substations, and Operations and Maintenance facilities prepare SWMS's that document stormwater quality treatment provided	Rare	n/a
Water Quality	Storage and handling of chemicals on site	Construction	✓	✓	✓	* Preparation a Construction Environmental Management Plan (CEMP) for all sites to address appropriate handing of possible contaminants * Establish a construction timeframe that aligns with low flooding risks * Adopt appropriate (best practice) control of possible contaminants during construction	Rare	n/a
Water Quality	Storage and handling of chemicals on site	Operations	✓		✓	* Incorporate intercept dams into drainage design and storwmater management to allow the isolation of runoff from BESS's and Substations from downstream systems * Ensure safe work practices and appropriate handling of possible contaminants * Educate staff regarding correct disposal methods * Protect storage areas with bunding and appropriate design with freeboard to Loddon 2011 flood levels.	Rare	n/a

Appendix F Waterway Buffer Maps



Legend

- ◆ Proposed Wind Turbine Locations
- ▭ Project Area
- Minor and Agricultural Waterway 30 m Buffer
- Major Waterway 50 m Buffer
(Loodon River, Pyramid Creek and Calivil Creek)

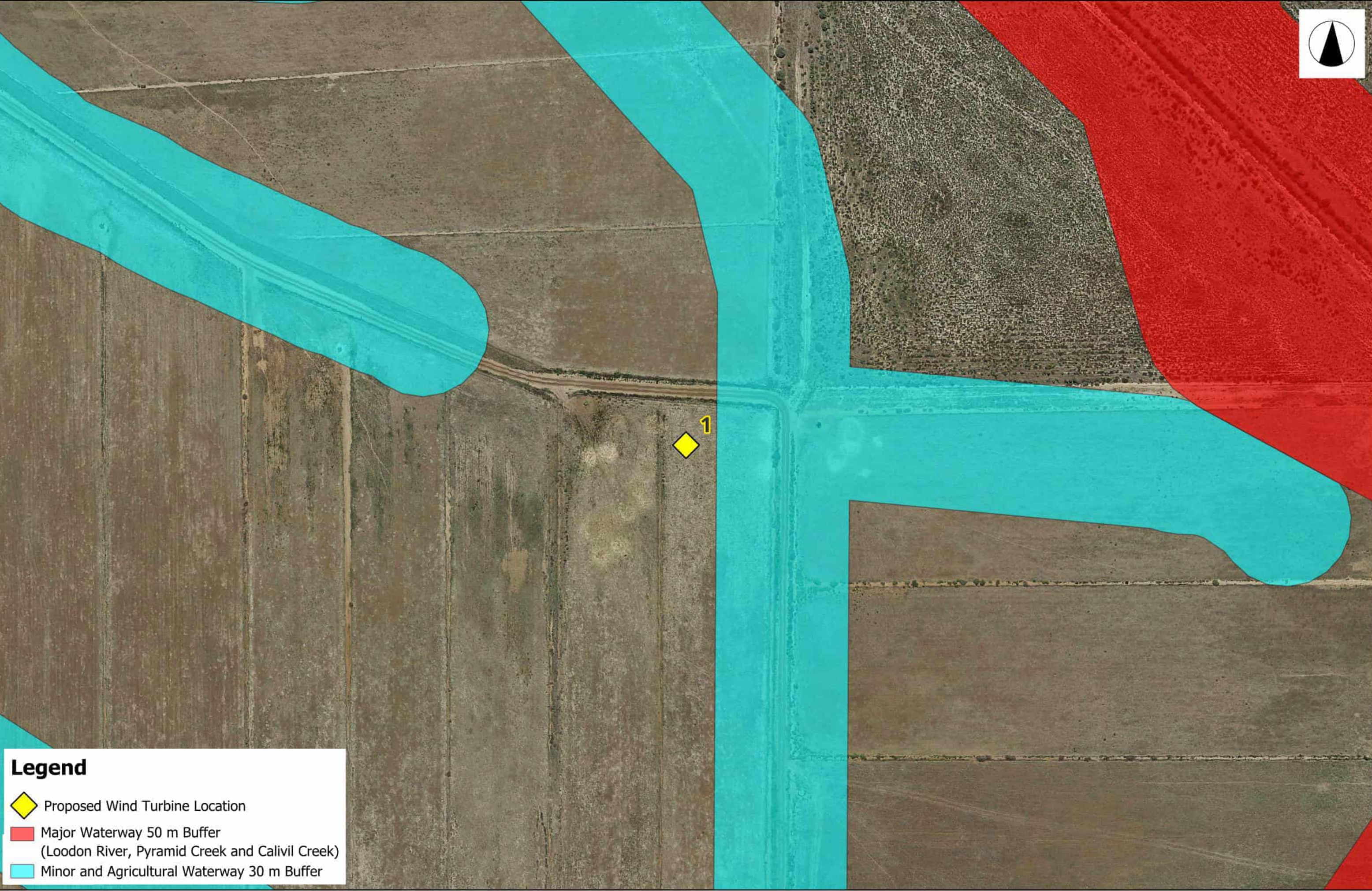
DESIGNED:	K Prout
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DATE OF ISSUE:	7/4/2026
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Macorna Wind Farm

Waterway Buffers





Legend

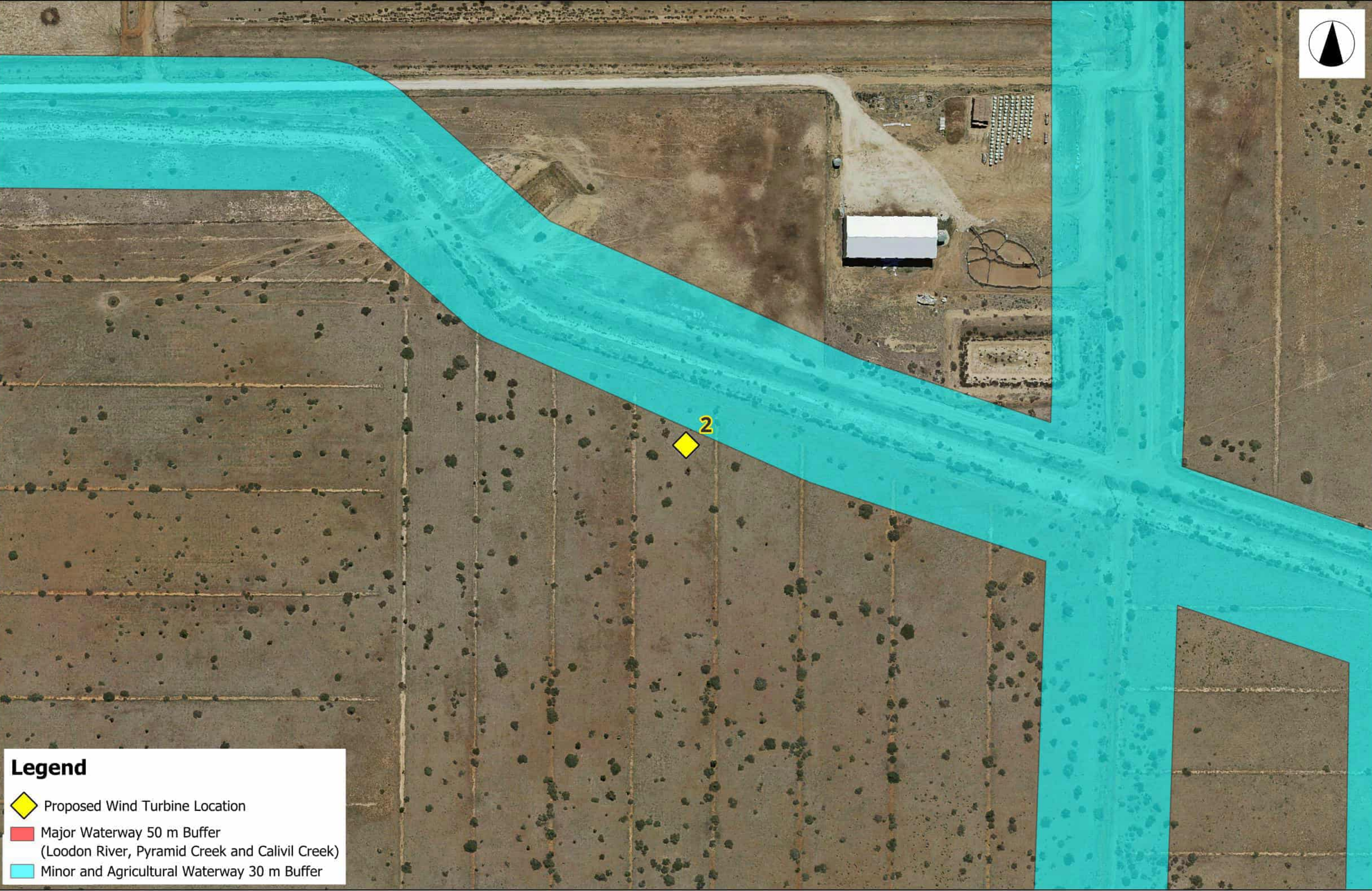
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Macorna Wind Farm
Turbines and Waterway Buffers





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Macorna Wind Farm
Turbines and Waterway Buffers





Legend

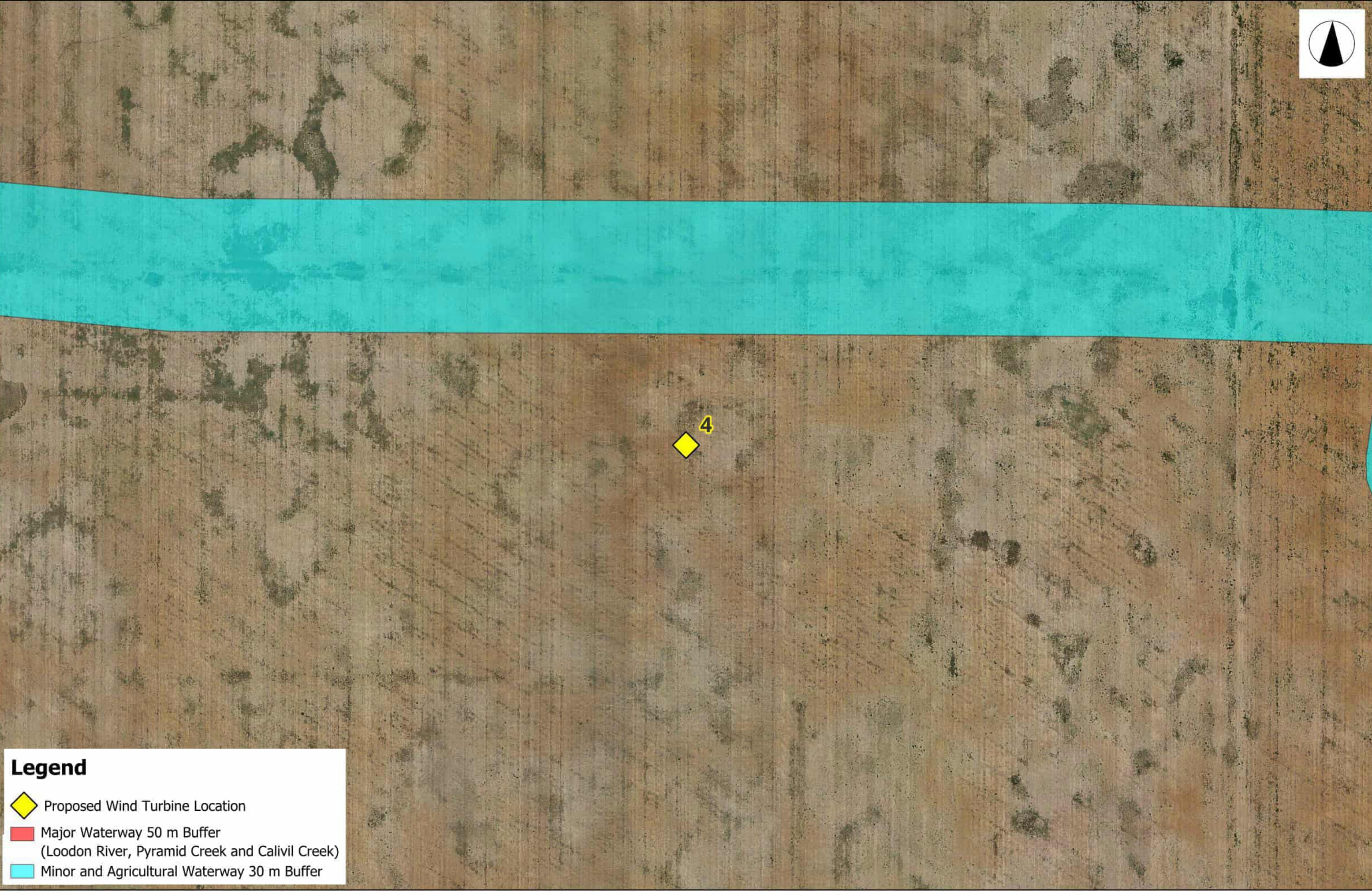
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Turbines and Waterway Buffers





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Macorna Wind Farm
Turbines and Waterway Buffers





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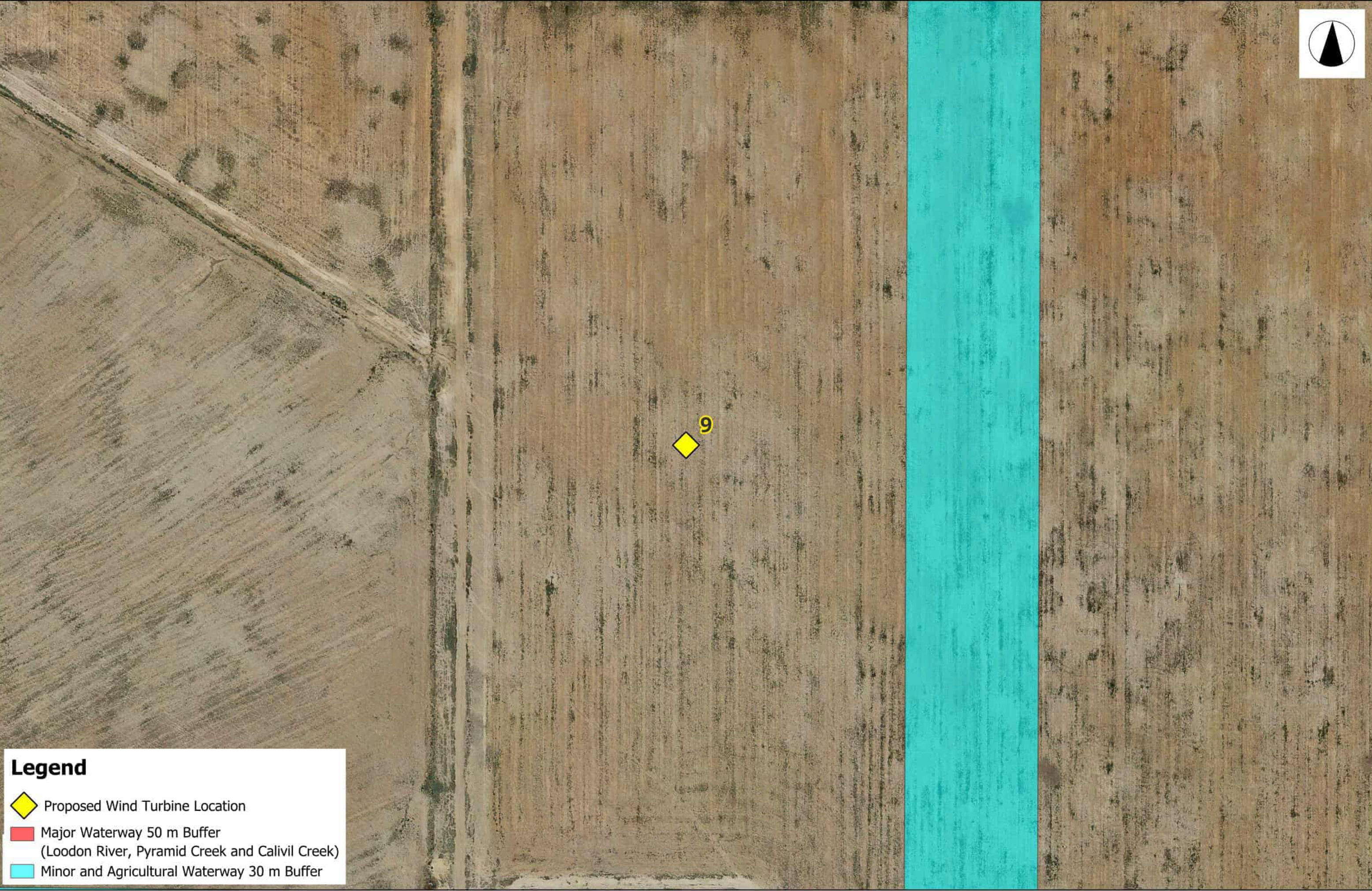
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Turbines and Waterway Buffers





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Macorna Wind Farm
Turbines and Waterway Buffers





12

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Turbines and Waterway Buffers



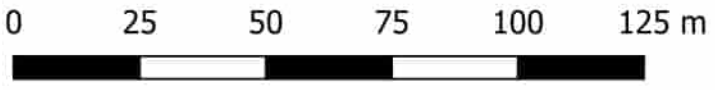


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Turbines and Waterway Buffers





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Macorna Wind Farm
Turbines and Waterway Buffers





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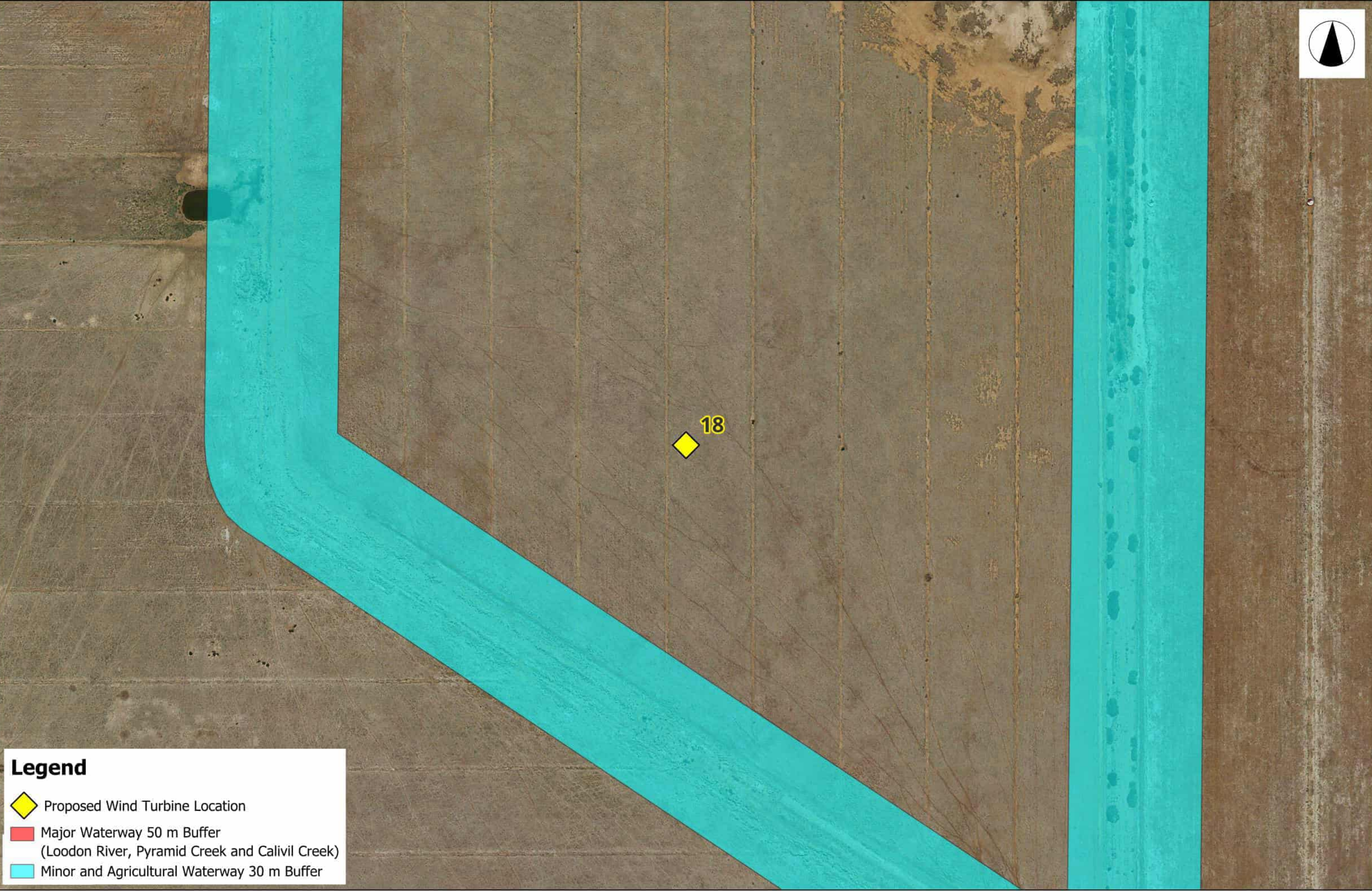
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Macorna Wind Farm
Turbines and Waterway Buffers





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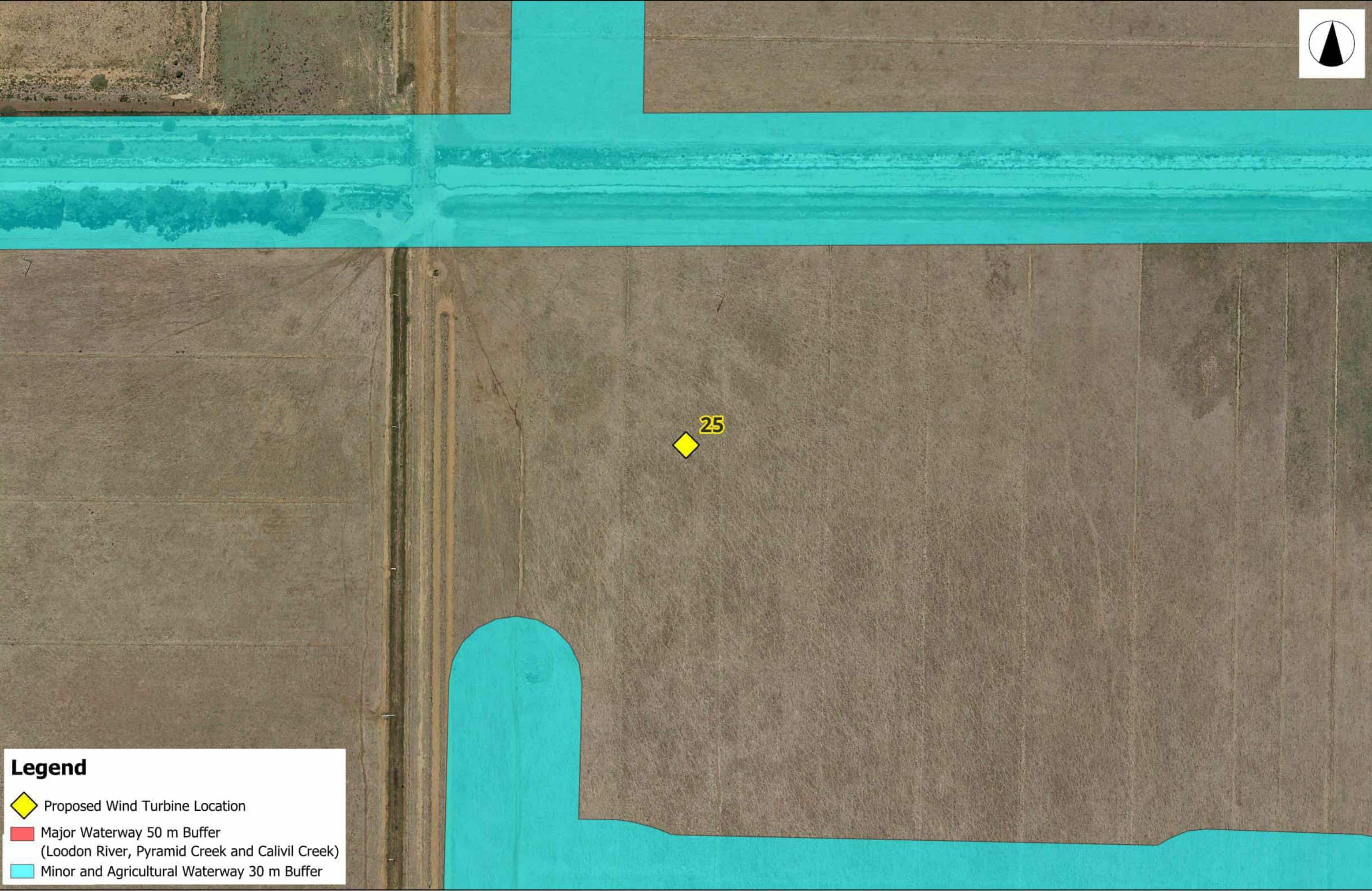
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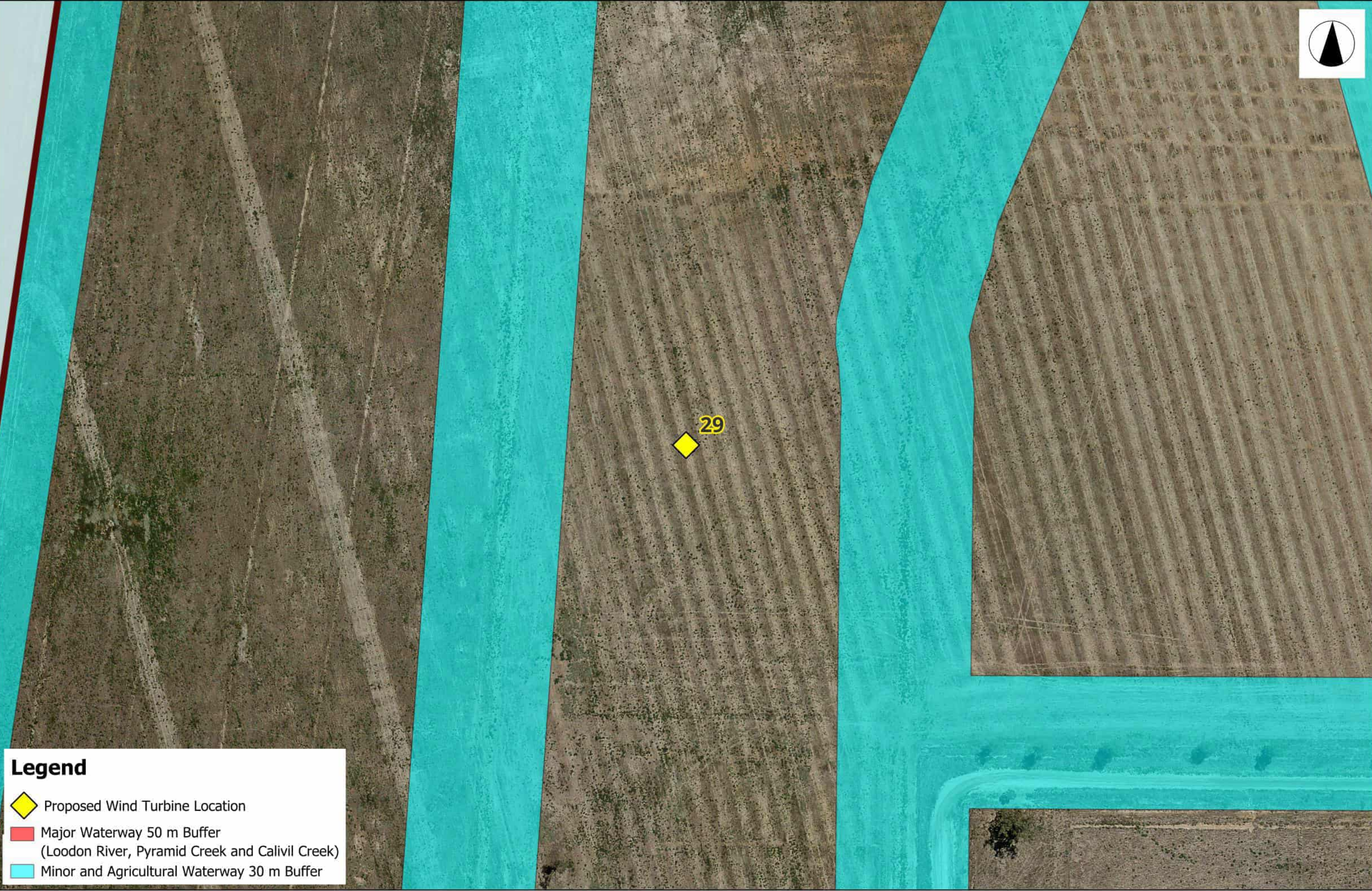
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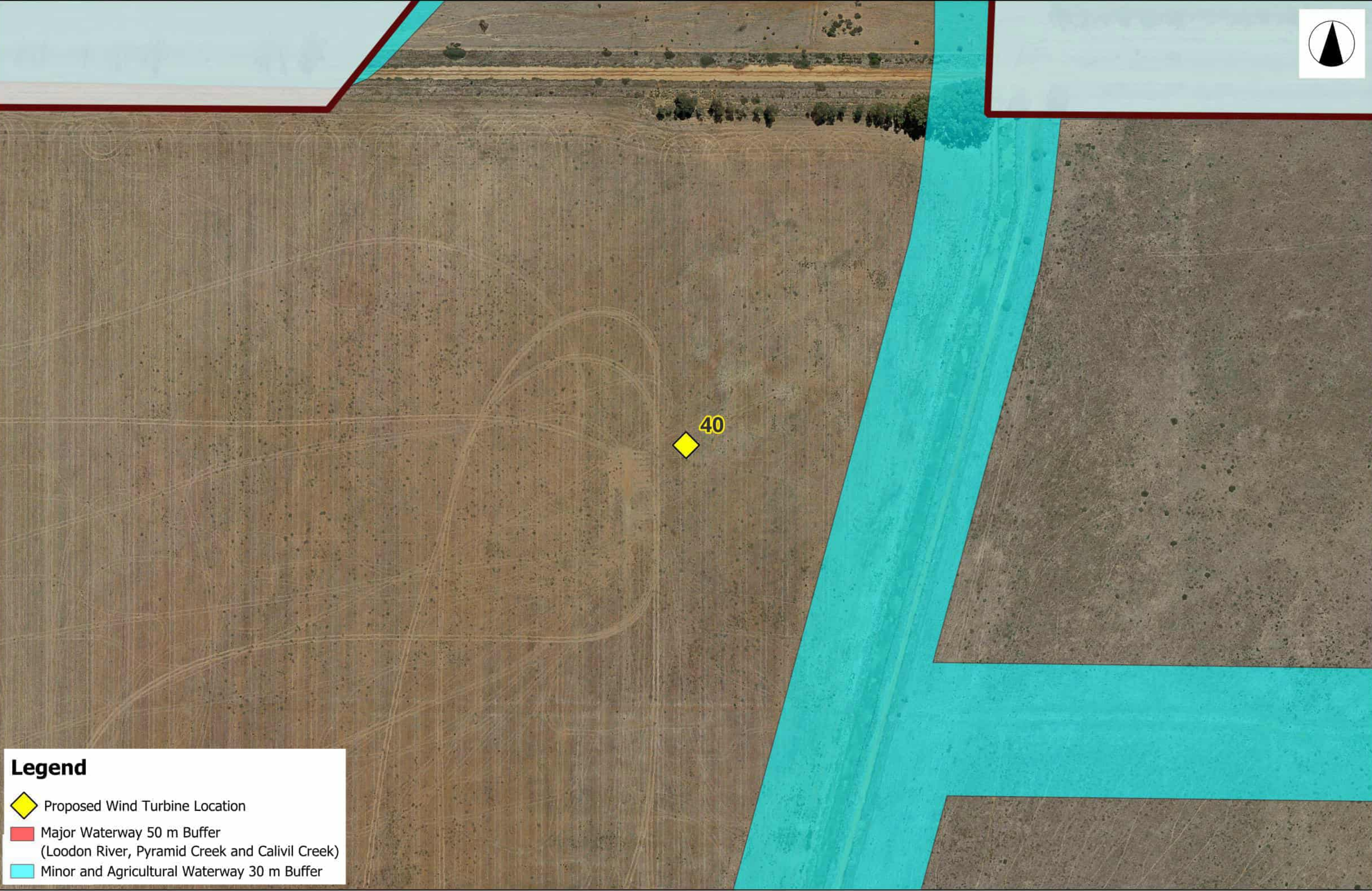
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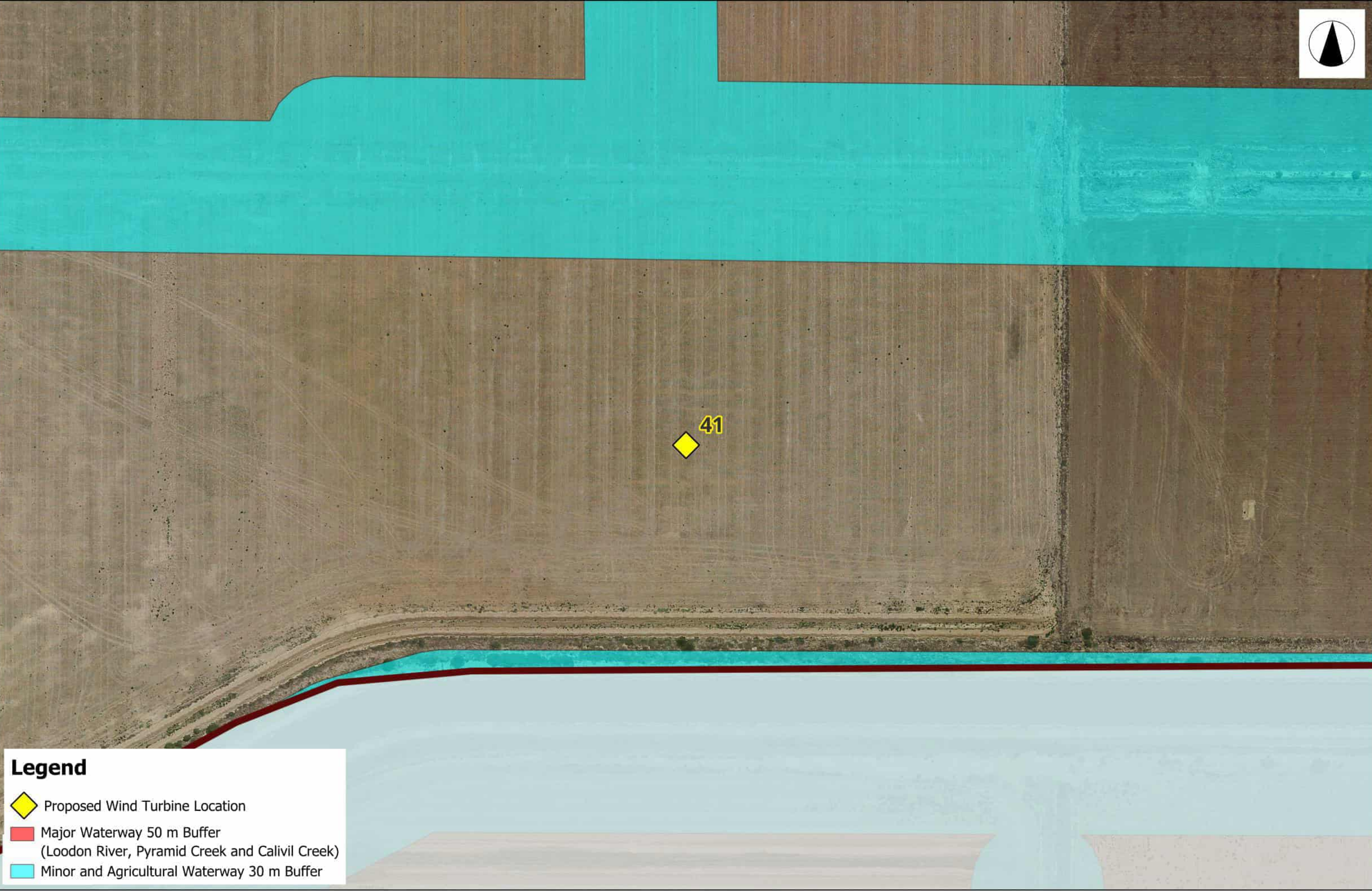
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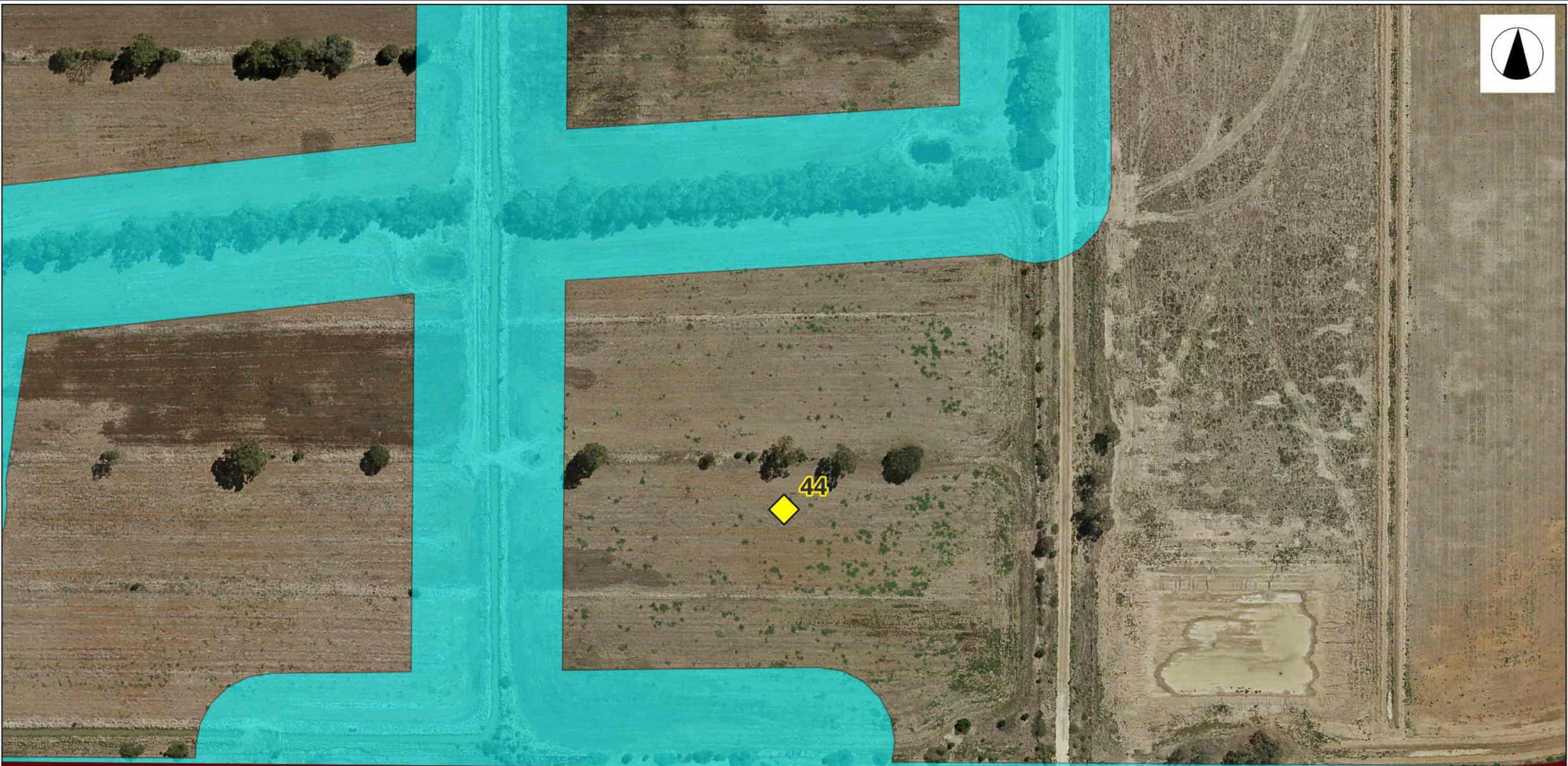
DESIGNED: CHECKED: DATE OF ISSUE: REVISION:	K Prout J Baumann 7/4/2026 0
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Turbines and Waterway Buffers





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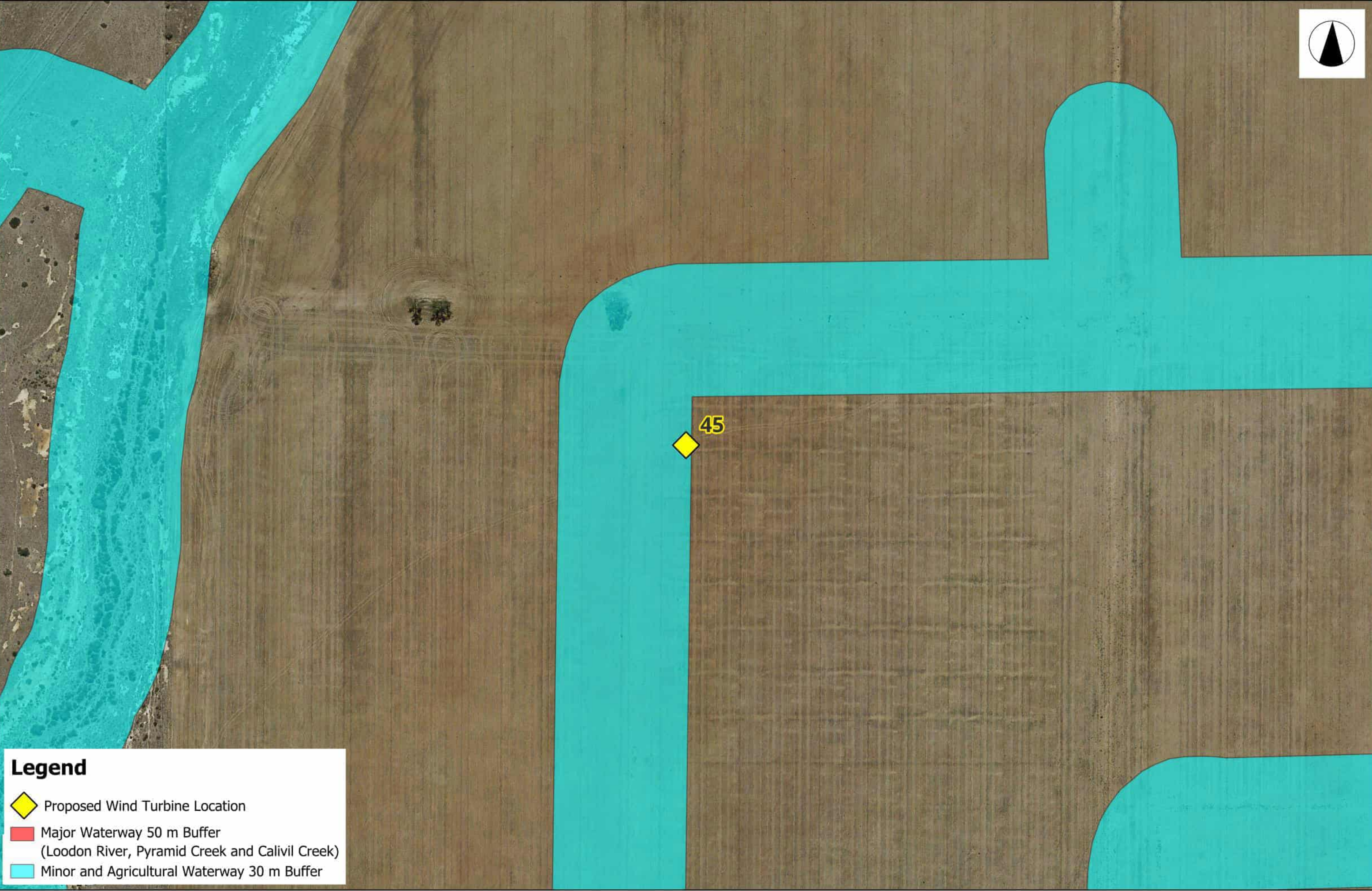
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CONSULTING
ENGINEERS**



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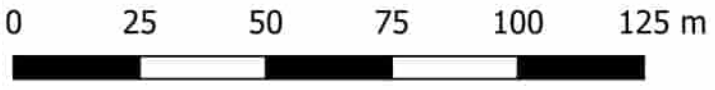




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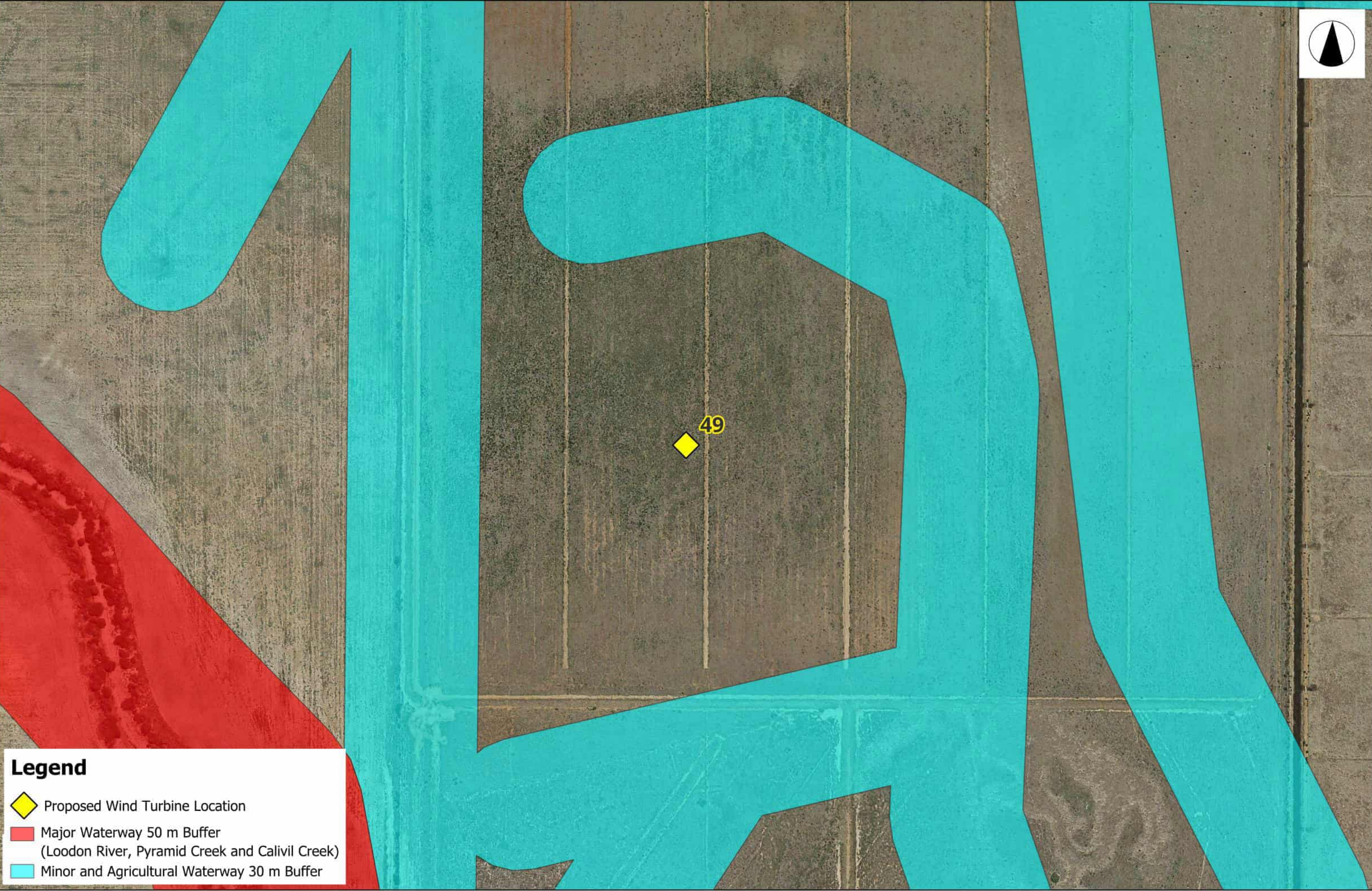
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Turbines and Waterway Buffers





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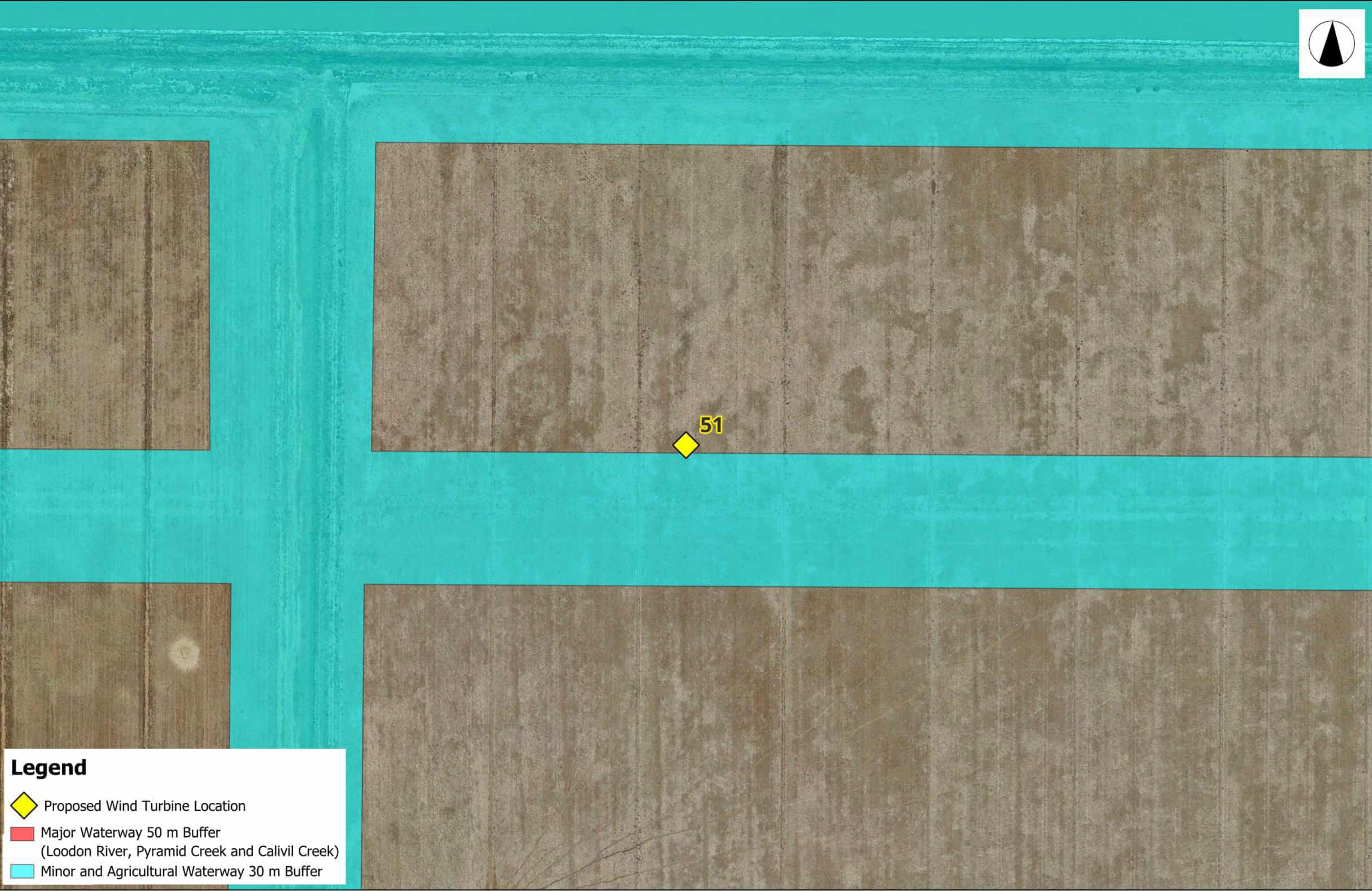
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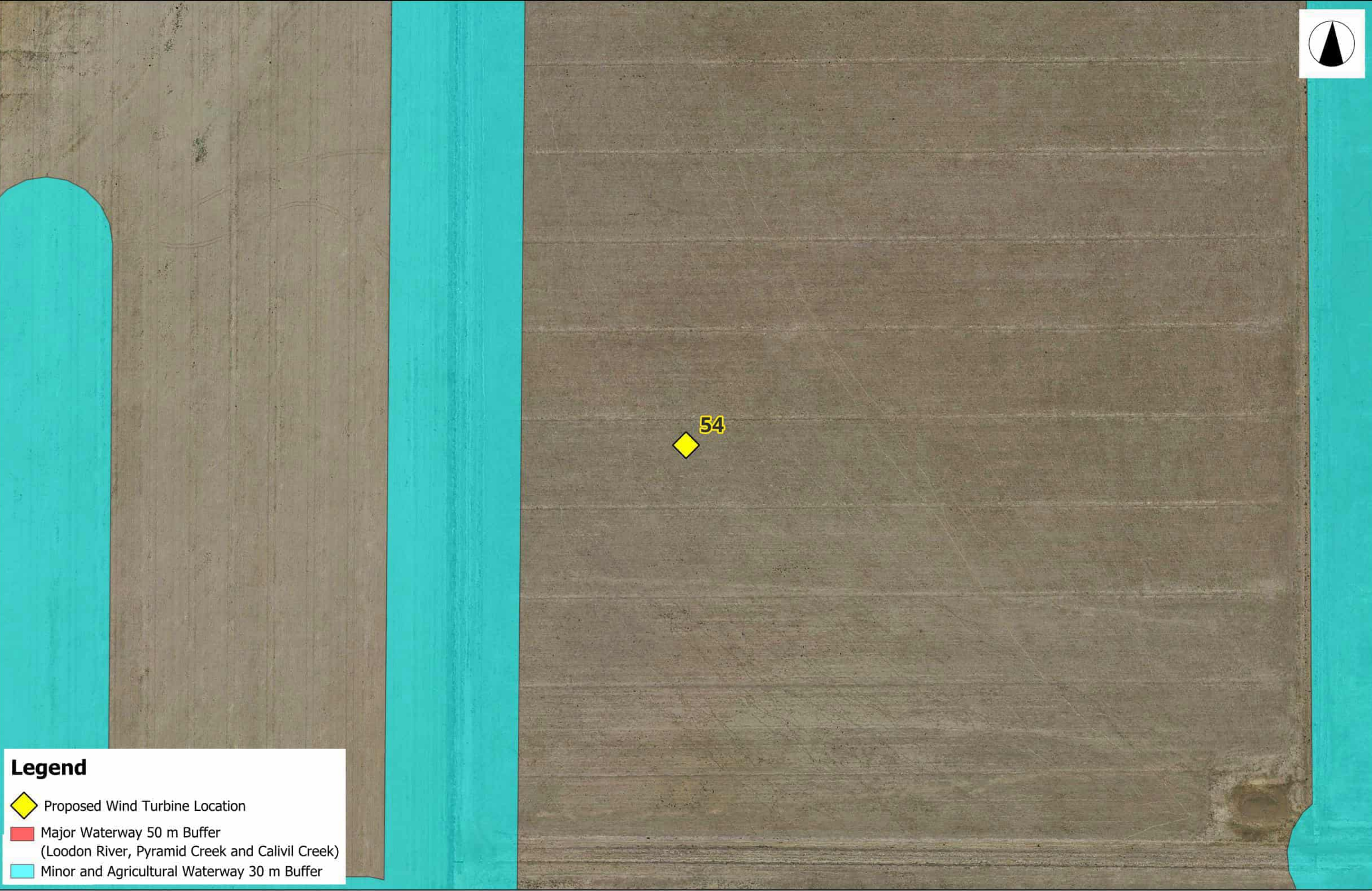
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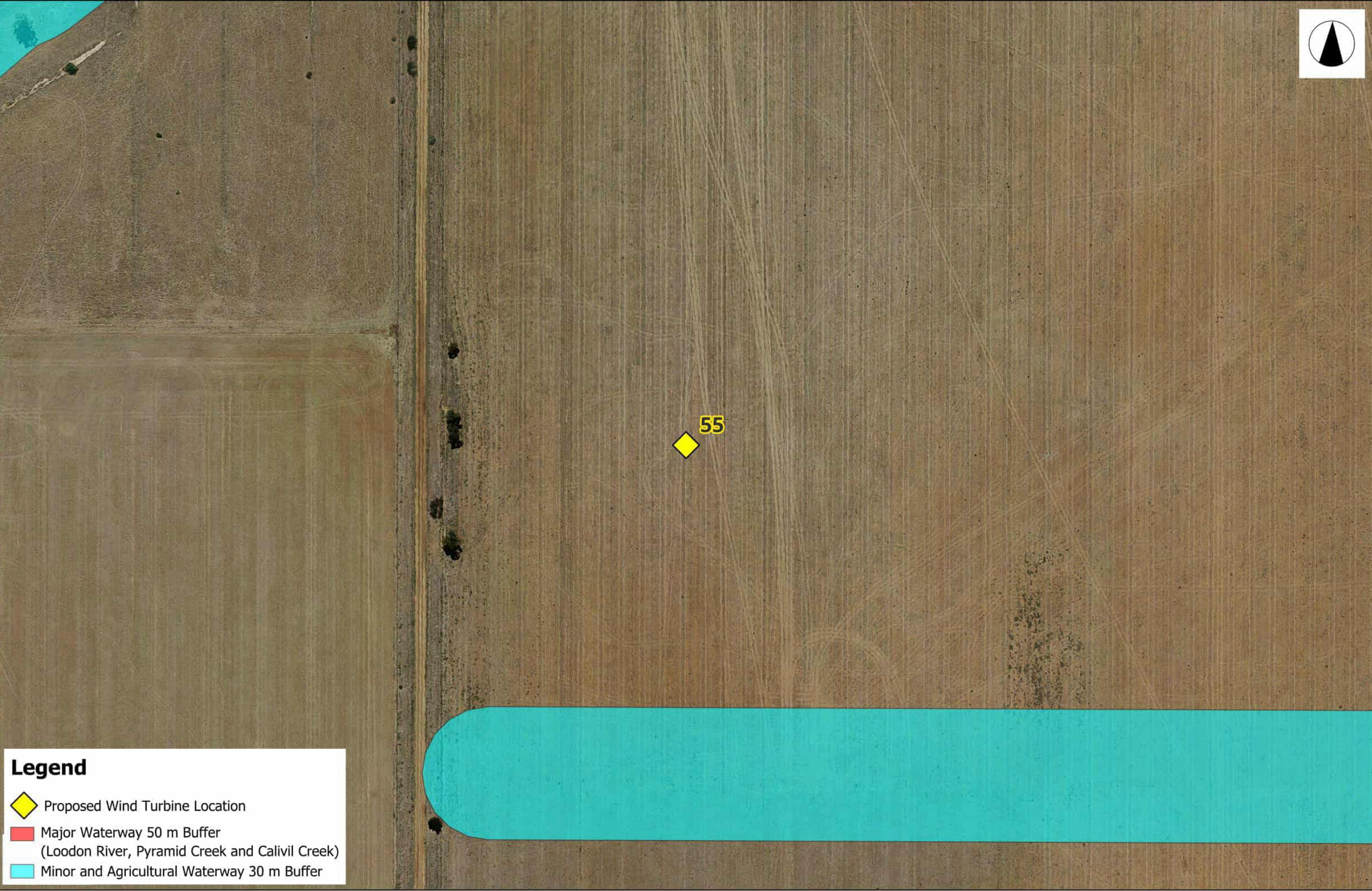
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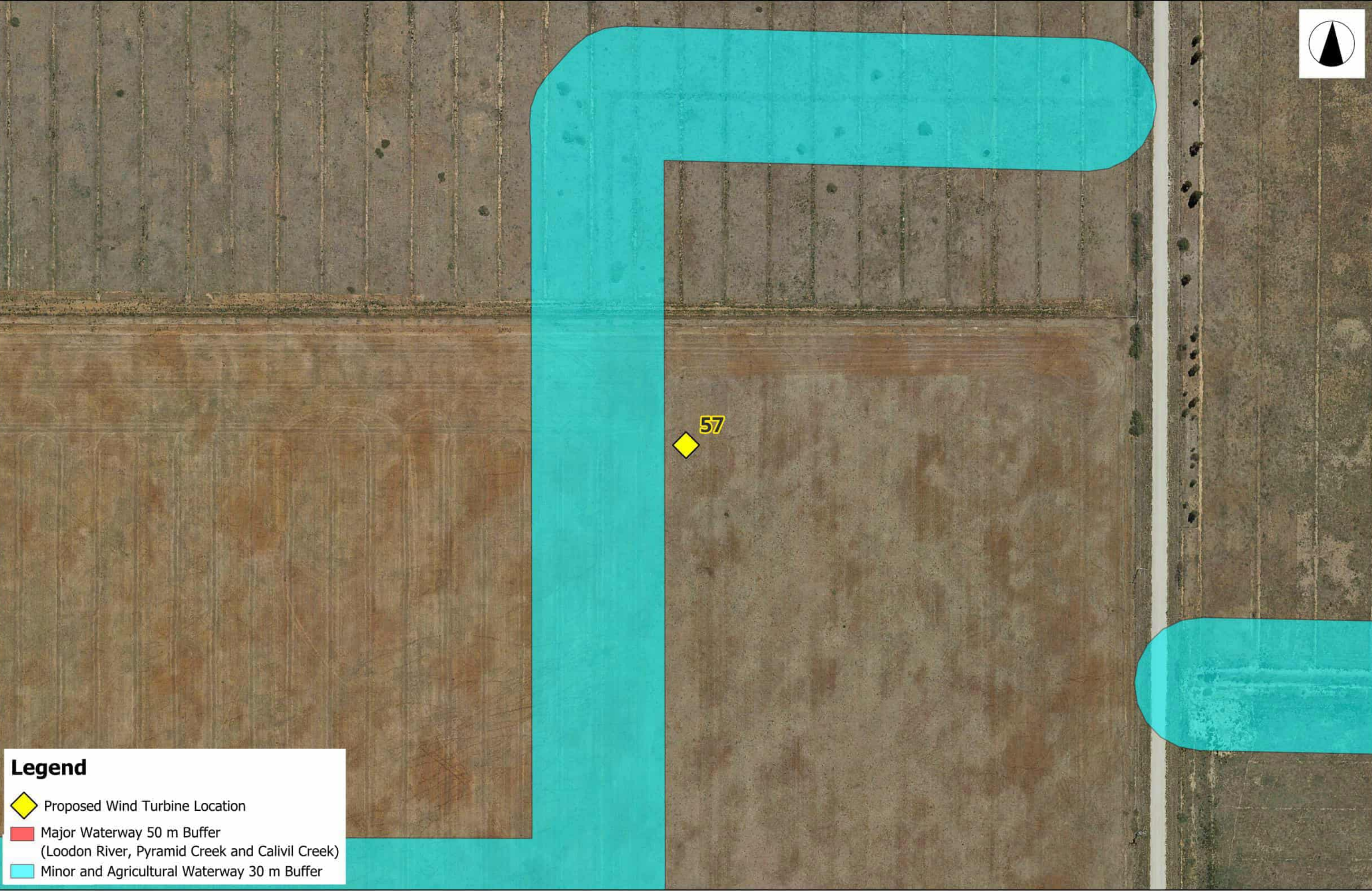
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Turbines and Waterway Buffers





Legend

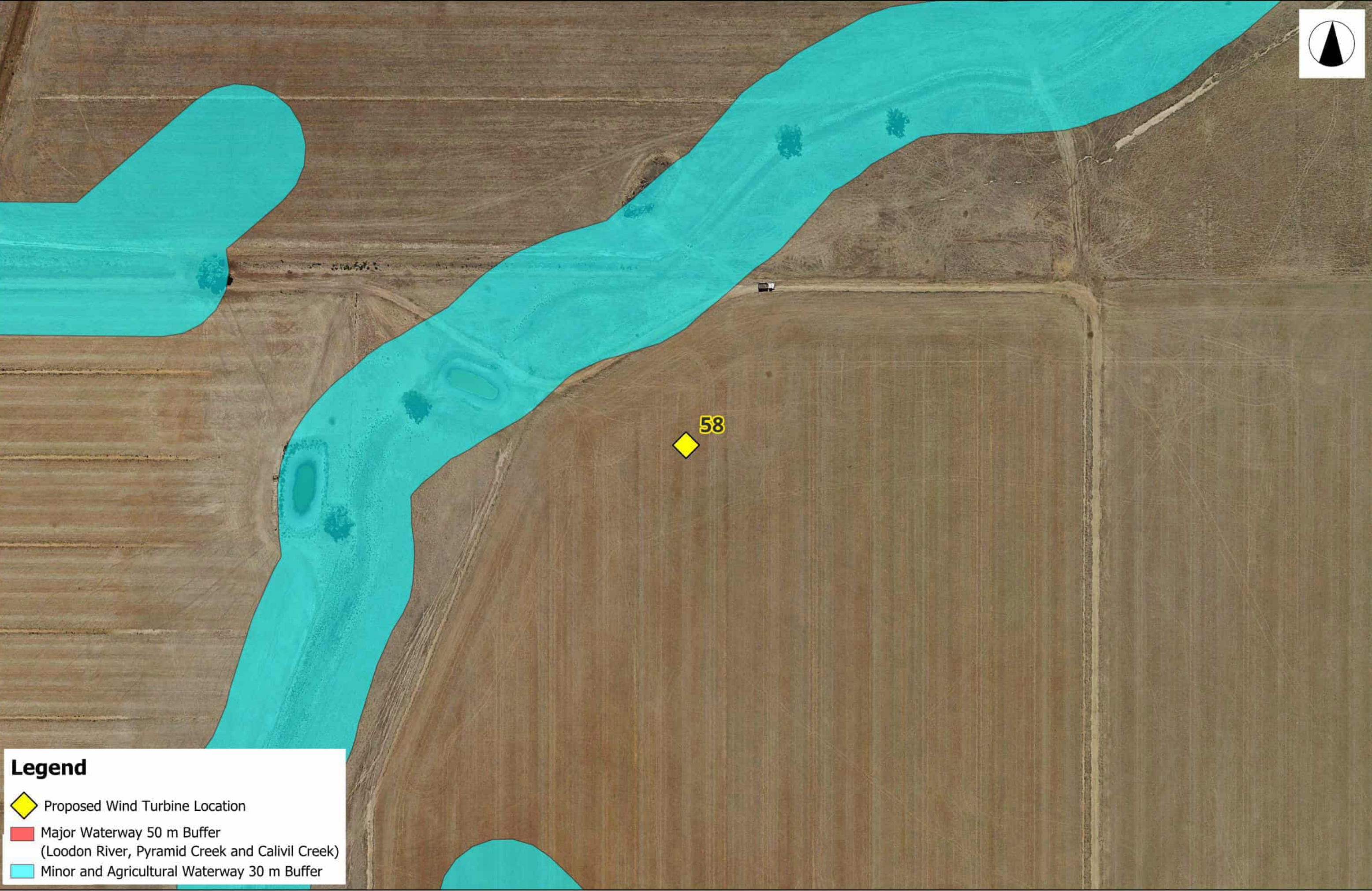
-  Proposed Wind Turbine Location
-  Major Waterway 50 m Buffer
(Loodon River, Pyramid Creek and Calivil Creek)
-  Minor and Agricultural Waterway 30 m Buffer

DESIGNED:	K Prout
CHECKED:	J Baumann
DATE OF ISSUE:	7/4/2026
REVISION:	0



Macorna Wind Farm
Turbines and Waterway Buffers





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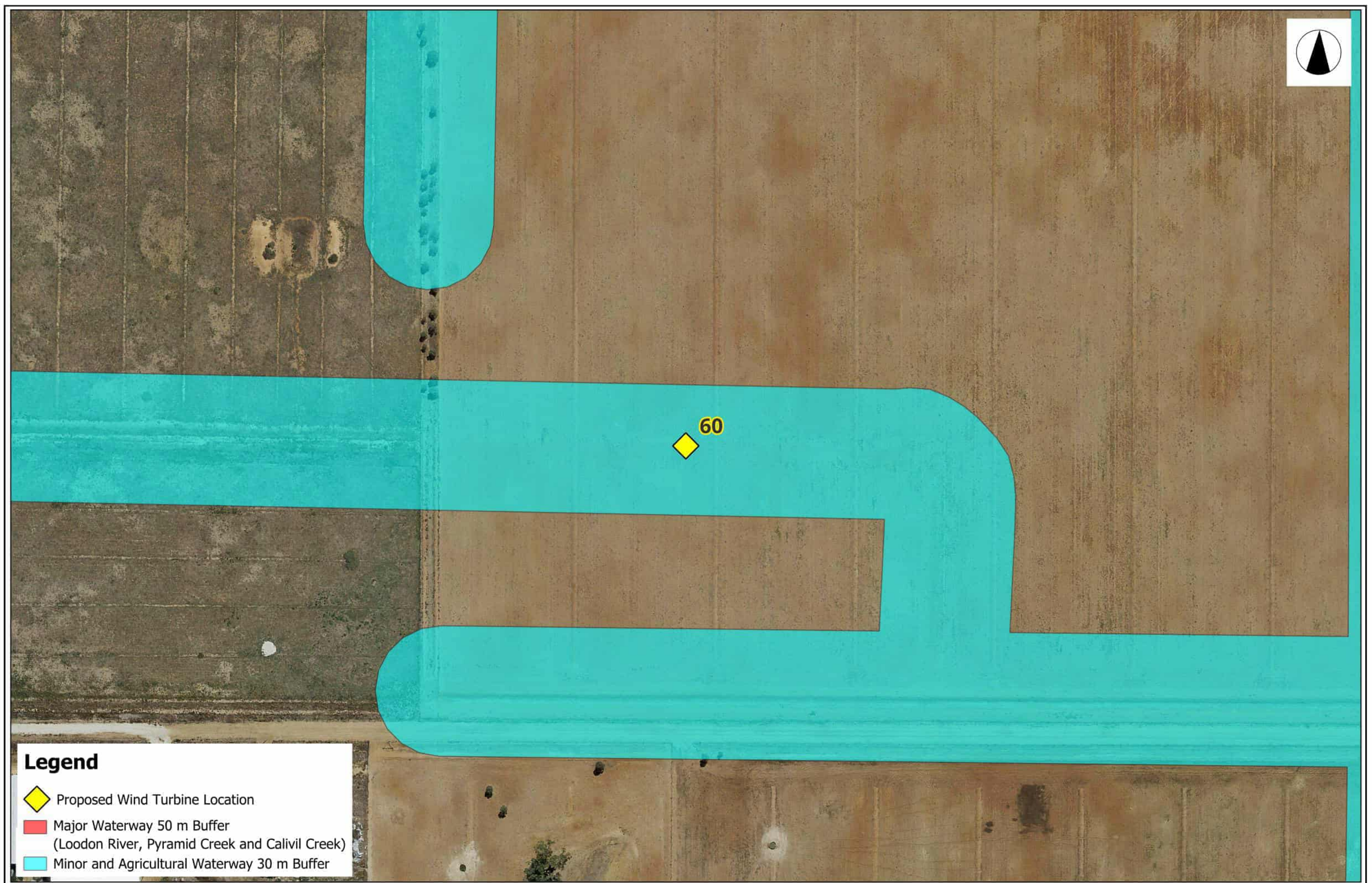
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